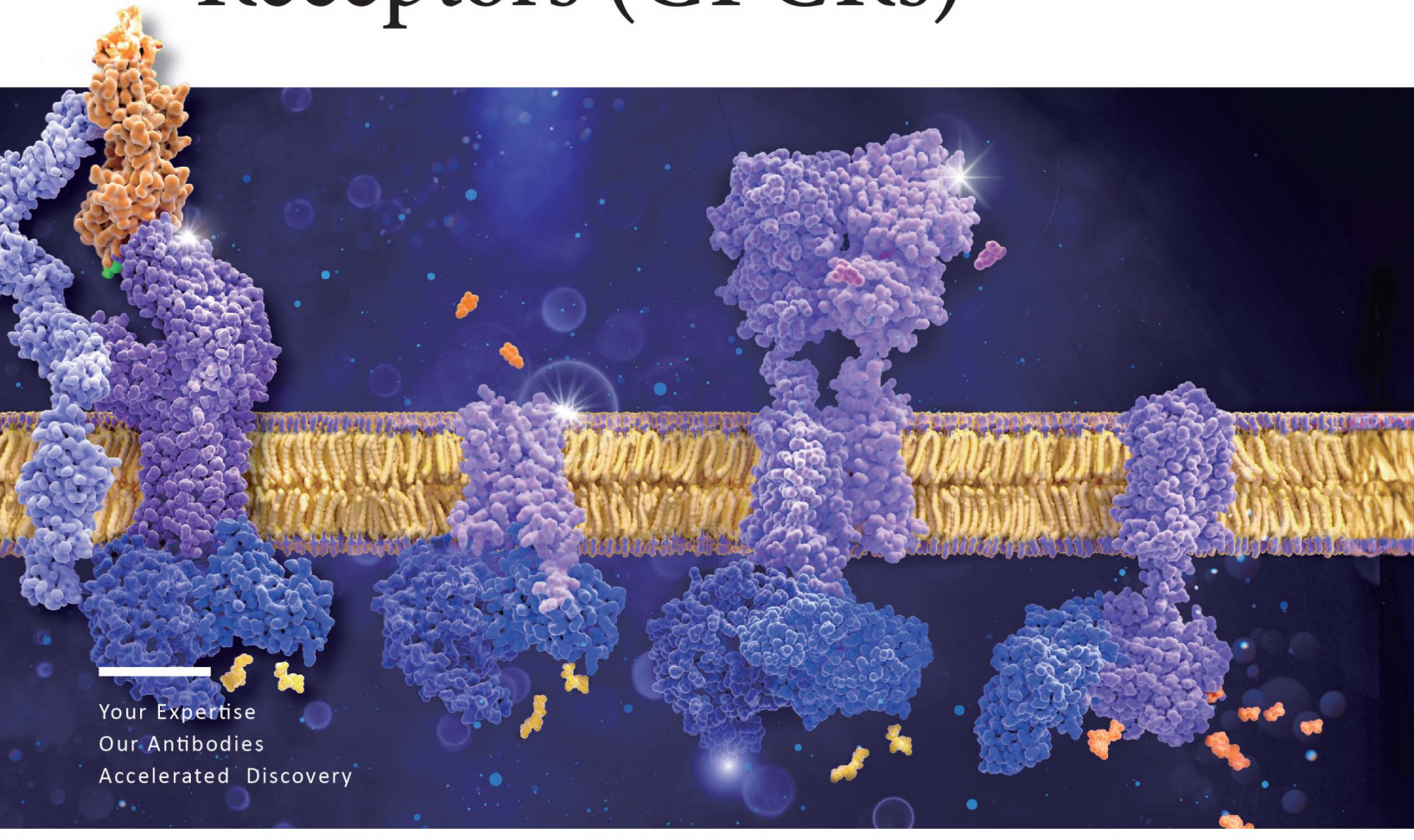
GeneTex

Recombinant Antibodies for G Protein-Coupled Receptors (GPCRs)



Since 1997 USA

ISO 13485:2016 ISO 9001:2015 ISO 14001: 2015

Scan the QR code to access the GPCR product webpage

Quality Antibodies · Quality Results

Table of Contents

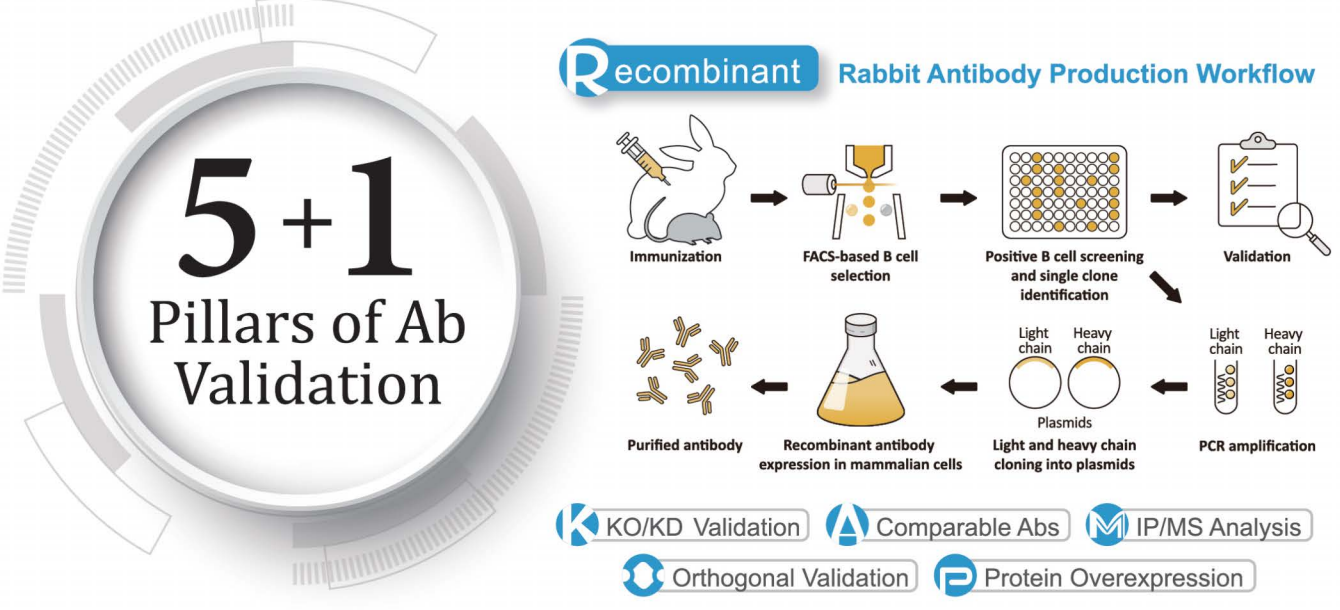
Introduction

G protein-coupled receptors (GPCRs), which constitute the largest membrane protein superfamily in the human genome, are essential for many physiological and pathophysiological processes. It is estimated that one-third of all clinically prescribed therapeutics are directed against GPCR activity, though it is suggested that 60-85% of potentially targetable GPCRs have no drugs. Producing a portfolio of well-validated antibodies targeting GPCRs will advance GPCR biology research.

Challenges in producing antibodies against GPCRs:

- GPCR conformational variability
- Immunogen preparation difficulties
- Limited and/or conserved exposed epitopes
- Structural constraints frequently associated with membrane proteins

GeneTex is leveraging its recombinant antibody (rAb) production platform combined with enhanced validation techniques to produce highly specific recombinant monoclonal antibodies to support GPCR research. These antibodies will be thoroughly characterized through enhanced "**Five Pillar**" validation strategies that feature knockdown/knockout lysates, comparable antibodies, cell fractionation, detection of endogenous GPCR expression, and overexpression. In addition, specialized testing using human GPCR arrays will be utilized when feasible. The goal is to generate the most diverse, expansive, and meticulously verified GPCR antibody reagents.



Introduction

Physiological Functions of GPCRs

GPCRs play a crucial role in the regulation of tissue/cell physiology and homeostasis in the immune, nervous, endocrine, and cardiovascular systems, among others. They also function in a multitude of pathological processes, including cancer.

GPCRs in cancers

Many GPCRs serve as potential biomarkers for early cancer diagnosis. Furthermore, GPCRs are active in various aspects of cancer progression, including proliferation, apoptosis, angiogenesis, migration, and invasion. Therefore, the pharmacological inhibition of GPCRs and their downstream targets presents a promising avenue for developing novel, mechanism-based strategies for cancer therapy.

GPCRs in the immune system

Inflammatory cells such as leukocytes, monocytes, macrophages, and dendritic cells express more than one GPCR and sense a wide range of chemoattractants and chemokines. These receptors are crucial for the migration and infiltration of immune cells. Abnormal GPCR expression can lead to immune system dysfunction manifesting as inflammatory and autoimmune disease.

GPCRs in the nervous system

The nervous system utilizes membrane receptors to detect extracellular stimuli. By expressing GPCRs with diverse ligand-recognition capabilities, the nervous system can selectively filter and respond to specific signals. GPCRs are involved in chronic neurodegenerative diseases including but not limited to Alzheimer's disease, Huntington's disease, and Parkinson's disease.

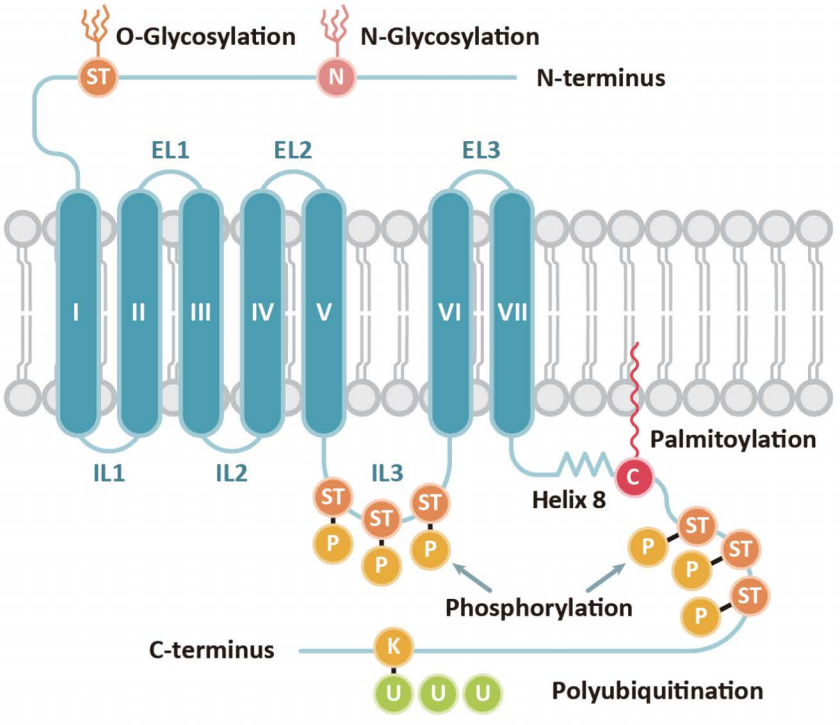
GPCRs in homeostasis

GPCRs play a crucial role in maintaining metabolic balance by influencing key processes such as glucose homeostasis and insulin secretion, appetite, calcium sensing, heart rate, and blood pressure.

Introduction

GPCR Classification and Structure

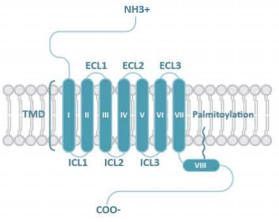
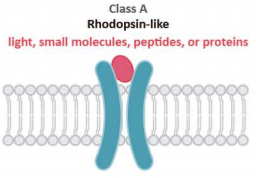
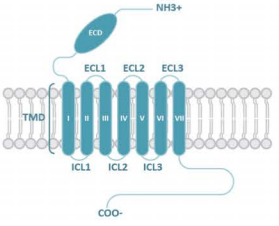
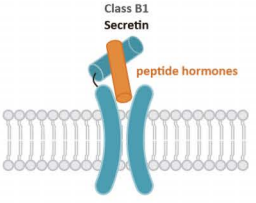
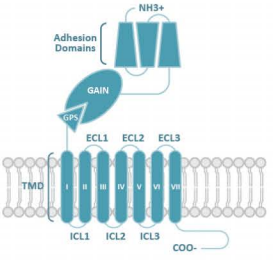
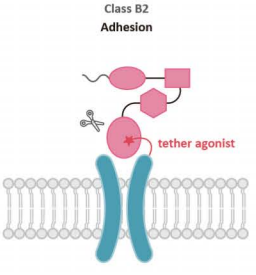
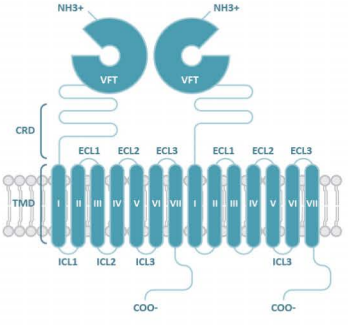
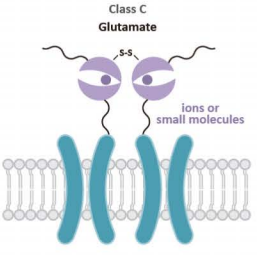
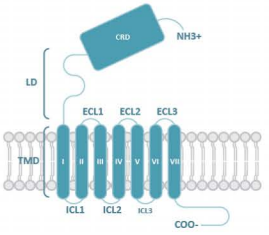
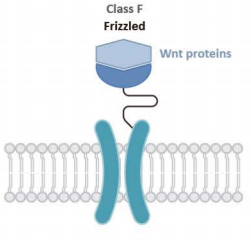
GPCRs share structural characteristics that include seven transmembrane (7TM) domains linked by both intra- and extracellular loops, an extracellular N-terminus, and an intracellular C-terminus. The loops, as well as the intra- and extracellular domains, are all subject to post-translational modifications. One widely used GPCR classification system is based on sequence homology and evolutionary relationships. This organizes GPCRs into six families designated A-F.



Adapted from Maggio *et al.*, 2023

Introduction

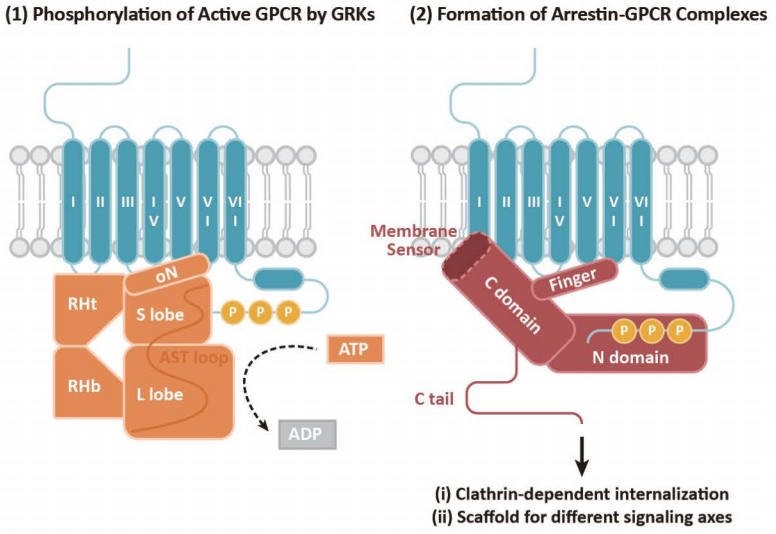
GPCR Families

Family Class		General Structure (Adapted from Qu *et al.*, 2020)	Ligand Interaction (Adapted from Xu *et al.*, 2024)
Class A	**Rhodopsin-like (R)** Class A **(Rhodopsin-like)** GPCRs account for more than 85% of human GPCRs. This class is distinguished structurally by an additional palmitoylated 8th alpha helix.		
Class B1	**Secretin (S)** Class B1 **(Secretin)** GPCRs are characterized by their large extracellular domains (ECDs) that are able to bind large peptidic ligands such as hormones or neuropeptides.		
Class B2	**Adhesion (A)** Similar to Class B1, Class B2 **(Adhesion)** GPCRs feature a large ECD. Signaling results from the pre-digestion of the GPCR autoproteolysis-inducing (GAIN) domain at the GPCR proteolytic site (GPS) motif. Mechanical force releases the Stachel peptide that then acts as a tethered agonist to bring about 7TM activation. The individual N-terminal motifs of the subgroups reflect their unique roles in cell adhesion and migration.		
Class C	**Glutamate (G)** Class C **(Glutamate)** GPCRs are distinctive for large ECDs, which include a Venus Fly Trap (VFT) domain and a cysteine-rich domain (CRD), and their mandatory homo- or heterodimerization.		
Class F	**Frizzled (F)** Class F **(Frizzled)** GPCRs feature a cysteine-rich domain (CRD) and a linker domain (LD) in the ECD. Members of this class play roles in development and regeneration through activation of the downstream Wnt or Hh signaling transduction pathways.		

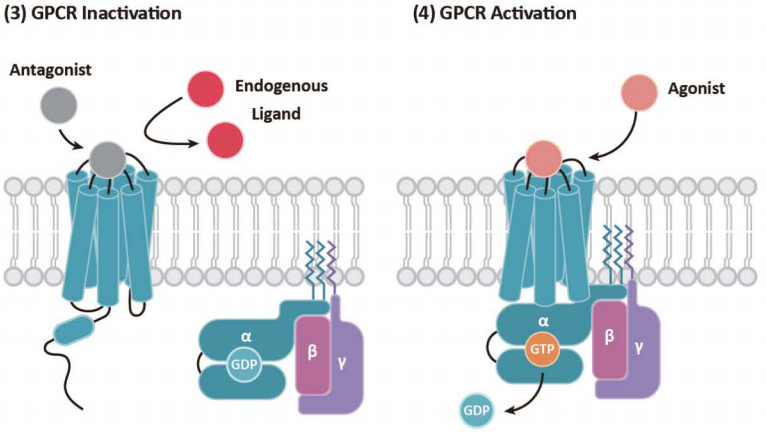
Introduction

Regulation of GPCR Signaling

GPCR signaling begins with engagement of the receptor by a ligand, which leads to allosteric changes in the intracellular domains of the GPCR. In general, two types of effectors can then associate with the GPCR: (a) a Gα subunit that complexes with β and γ subunits to form the G protein trimer, and (b) β-arrestins that can direct their own signaling. It is becoming clear that GPCR signaling emanates not only from the cell surface but also from other intracellular compartments (e.g., endosomes, the Golgi apparatus, and the ER, among others). Signaling cascades involving kinases and transcription factor regulation orchestrate the subsequent cellular response.



Adapted from Chen *et al.*, 2021 and Shukla *et al.*, 2013



Adapted from Cheng *et al.*, 2023

Introduction

Class B2 Adhesion GPCRs (aGPCRs): Predicted molecular weights for Full-Length, NTF and CTF

Subfamily	Receptor	Synonyms	UniprotID	Length (a.a.)
I	ADGRL1	LPHN1	O94910	1474
I	ADGRL2	LPHN2	O95490	1459
I	ADGRL3	LPHN3	Q9HAR2	1447
I	ADGRL4	ELTD1; ETL	Q9HBW9	690
II	ADGRE1	EMR1; F4/80	Q14246	886
II	ADGRE2	EMR2	Q9UHX3	823
II	ADGRE3	EMR3	Q9BY15	652
II	ADGRE4	EMR4	Q91ZE5 (Mouse)	689
II	ADGRE5	CD97	P48960	835
III	ADGRA1	GPR123	Q86SQ6	560
III	ADGRA2	GPR124	Q96PE1	1338
III	ADGRA3	GPR125	Q8IWK6	1321
IV	ADGRC1	CELSR1	Q9NYQ6	3014
IV	ADGRC2	CELSR2	Q9HCU4	2923
IV	ADGRC3	CELSR3	Q9NYQ7	3312
V	ADGRD1	GPR133	Q6QNK2	874
V	ADGRD2	GPR144	Q7Z7M1	963
VI	ADGRF1	GPR110	Q5T601	910
VI	ADGRF2	GPR111	Q8IZF7	708
VI	ADGRF3	GPR113	Q8IZF5	1079
VI	ADGRF4	GPR115	Q8IZF3	695
VI	ADGRF5	GPR116	Q8IZF2	1346
VII	ADGRB1	BAI1	O14514	1584
VII	ADGRB2	BAI2	O60241	1585
VII	ADGRB3	BAI3	O60242	1522
VIII	ADGRG1	GPR56	Q9Y653	693
VIII	ADGRG2	GPR64	Q8IZP9	1017
VIII	ADGRG3	GPR97	Q86Y34	549
VIII	ADGRG4	GPR112	Q8IZF6	3080
VIII	ADGRG5	GPR114	Q8IZF4	528
VIII	ADGRG6	GPR126	Q86SQ4	1221
VIII	ADGRG7	GPR128	Q96K78	797
IX	ADGRV1	VLGR1; MASS1	Q8WXG9	6306

NTF: N-Terminal Fragment
CTF: C-Terminal Fragment

Introduction

Class B2 Adhesion GPCRs (aGPCRs): Predicted molecular weights for Full-Length, NTF and CTF

Receptor	GPS (Start) (a.a.)	GPS (End) (a.a.)	Cleaved by Autoproteolysis (a.a.)	Full Length (kD)	NTF (kD)	CTF (kD)
ADGRL1	802	851	838-839	162.1	93.6	70.0
ADGRL2	788	837	824-825	160.5	92.1	69.9
ADGRL3	805	854	841-842	159.2	93.9	66.7
ADGRL4	370	419	406-407	75.9	46.1	31.2
ADGRE1	550	597	-	97.5	65.7	31.8
ADGRE2	482	530	517-518	90.5	58.3	33.7
ADGRE3	304	351	338-339	71.7	38.6	34.5
ADGRE4	292	339	326-327	75.8	37.3	39.9
ADGRE5	495	543	530-531	91.9	59.7	91.9
ADGRA1	-	-	-	61.6	-	-
ADGRA2	710	759	-	147.2	83.5	63.7
ADGRA3	701	750	-	145.3	82.5	62.8
ADGRC1	2411	2461	Does not undergo cleavage	331.5	-	-
ADGRC2	2319	2369	2356-2357	321.5	260.6	62.4
ADGRC3	2480	2530	-	364.3	278.3	86.0
ADGRD1	510	557	544-545	96.1	61.3	36.3
ADGRD2	599	649	-	105.9	71.4	34.5
ADGRF1	534	579	566-567	100.1	63.7	37.8
ADGRF2	394	442	Does not undergo cleavage	77.9	-	-
ADGRF3	715	765	752-753	118.7	84.2	36.0
ADGRF4	349	397	Does not undergo cleavage	76.5	-	-
ADGRF5	954	1003	990-991	148.1	110.3	39.2
ADGRB1	884	939	926-927	174.2	103.3	72.4
ADGRB2	874	924	911-912	174.4	101.6	74.1
ADGRB3	819	869	-	167.4	95.6	71.8
ADGRG1	346	395	382-383	76.2	43.5	34.2
ADGRG2	570	619	606-607	111.9	68.1	45.2
ADGRG3	215	262	249-250	60.4	28.8	33.0
ADGRG4	2685	2734	2721-2722	338.8	300.7	39.5
ADGRG5	189	239	226-227	58.1	26.3	33.2
ADGRG6	803	853	840-841	134.3	93.8	41.9
ADGRG7	383	428	-	87.7	47.1	40.6
ADGRV1	5856	5903	5890-5891	693.7	649.3	45.8

GPS: GPCR proteolytic site
NTF: N-Terminal Fragment
CTF: C-Terminal Fragment

Product Index

Recombinant | Citation Support | KO/KD Validation | Comparable Abs | Orthogonal Validation | Protein Overexpression | HistoMAX

Class A

Subclass	Product Name	Clone	Cat. No.	Clonality	Reactivity	Applications
5-hydroxytryptamine	5-HT1E Receptor	HL3875	GTX642113	Rec Rb mAb	Hu	WB
	5-HT7 Receptor	HL3453	GTX641326	Rec Rb mAb	Hu	ICC/IF
Acetylcholine	mAChR M1	HL3933	GTX642178	Rec Rb mAb	Ms	WB
Adenosine	Adenosine A1 Receptor	H341	GTX641402	Rec Rb mAb	Hu	IHC-P
		HL2442	GTX638758	Rec Rb mAb	Hu, Ms, Rat, Dog	WB, IHC-P
Adrenoceptors	alpha 1a Adrenergic Receptor	HL3291	GTX640945	Rec Rb mAb	Hu	WB, ICC/IF
	alpha 1d Adrenergic Receptor	HL3267	GTX640914	Rec Rb mAb	Hu	ICC/IF
	alpha 2a Adrenergic Receptor	HL3723	GTX641913	Rec Rb mAb	Hu, Ms	WB
		HL3725	GTX641915	Rec Rb mAb	Hu	WB
	beta 1 Adrenergic Receptor	HL3678	GTX641706	Rec Rb mAb	Hu	WB
Angiotensin	AGTR1	HL2524	GTX638885	Rec Rb mAb	Hu, Ms	WB, ICC/IF, IHC-P
		HL2526	GTX638887	Rec Rb mAb	Hu, Ms	WB, ICC/IF, IHC-P
Apelin	Apelin Receptor	HL2980	GTX640367	Rec Rb mAb	Hu	IHC-P, Functional Assay
Cannabinoid	Cannabinoid Receptor 2	HL3120	GTX640596	Rec Rb mAb	Hu	WB, ICC/IF
Chemokine	CCR1	HL2840	GTX640111	Rec Rb mAb	Hu, Cat	WB, ICC/IF, IHC-P
		HL3023	GTX640436	Rec Rb mAb	Hu, Ms	WB, ICC/IF, IHC-P
		HL3034	GTX640472	Rec Rb mAb	Hu, Cat	WB, ICC/IF, IHC-P
	CCR2	HL2838	GTX640109	Rec Rb mAb	Hu	ICC/IF
	CCR4	HL2481	GTX638830	Rec Rb mAb	Hu, Ms, Rat	WB, ICC/IF, IHC-P
	CCR5	HL3650	GTX641641	Rec Rb mAb	Hu, Rat	WB
	CCR7	HL3074	GTX640520	Rec Rb mAb	Hu	ICC/IF, IHC-P
		HL3075	GTX640521	Rec Rb mAb	Rat	IHC-P
	CCR9	HL3054	GTX640497	Rec Rb mAb	Hu	WB, ICC/IF, IHC-P, FCM
	CCR10	HL2852	GTX640123	Rec Rb mAb	Hu	ICC/IF, Functional Assay
		HL2853	GTX640124	Rec Rb mAb	Hu	ICC/IF, Functional Assay
	CCR11	HL3208	GTX640848	Rec Rb mAb	Ms	IHC-P
	CXCR1	HL2674	GTX639338	Rec Rb mAb	Hu, Ms	IHC-P
	CXCR2	HL2604	GTX639056	Rec Rb mAb	Hu	WB, ICC/IF, IHC-P, Functional Assay
	CXCR3	HL3089	GTX640535	Rec Rb mAb	Hu, Ms	IHC-P
	CXCR4	HL2612	GTX639064	Rec Rb mAb	Hu, Ms, Dog	WB, ICC/IF
		HL2734	GTX639562	Rec Rb mAb	Hu	ICC/IF
	CXCR5	HL3568	GTX641474	Rec Rb mAb	Hu	WB
		HL3569	GTX641475	Rec Rb mAb	Hu, Ms	IHC-P
		HL3708	GTX641880	Rec Rb mAb	Hu, Ms, Rat	WB
		HL3778	GTX641977	Rec Rb mAb	Hu	FCM
	CXCR6	HL2849	GTX640120	Rec Rb mAb	Hu	WB, ICC/IF
		HL3144	GTX640636	Rec Rb mAb	Hu	IHC-P
	CXCR7	H342	GTX641403	Rec Rb mAb	Hu	IHC-P
		HL2189	GTX638193	Rec Rb mAb	Hu, Ms, Rat	WB, ICC/IF, IHC-P, IHC-Fr
Class A Orphans	LGR6	HL2827	GTX640098	Rec Rb mAb	Hu	WB, IHC-P
Complement	C3a Receptor	HL2744	GTX639573	Rec Rb mAb	Hu	WB, ICC/IF, FCM
		HL2831	GTX640102	Rec Rb mAb	Hu	WB, ICC/IF, IHC-P, FCM
		HL2855	GTX640126	Rec Rb mAb	Hu	ICC/IF, IHC-P
Dopamine	Dopamine Receptor D1	HL2680	GTX639344	Rec Rb mAb	Hu	WB
		HL2927	GTX640270	Rec Rb mAb	Hu	ICC/IF, IHC-P, FCM
		HL2553	GTX638925	Rec Rb mAb	Ms	WB
	Dopamine Receptor D2	HL1478	GTX636952	Rec Rb mAb	Hu, Ms, Rat	WB, ICC/IF, Functional Assay
		HL1584	GTX637063	Rec Rb mAb	Hu, Ms, Rat	WB, ICC/IF
		HL3159	GTX640669	Rec Rb mAb	Ms	IHC-P, IHC-Fr
	Dopamine Receptor D4	HL2850	GTX640121	Rec Rb mAb	Hu	IHC-P
		HL2851	GTX640122	Rec Rb mAb	Hu	WB, ICC/IF, IHC-P
	Dopamine Receptor D5	HL3081	GTX640527	Rec Rb mAb	Hu, Ms	ICC/IF, IHC-P
Endothelin	Endothelin B Receptor	HL2832	GTX640103	Rec Rb mAb	Hu, Ms, Rat	IHC-P
Formylpeptide	FPRL1	HL2664	GTX639328	Rec Rb mAb	Hu, Ms	WB, ICC/IF, IHC-P
Free fatty acid	GPR40	HL3956	GTX642206	Rec Rb mAb	Ms	IHC-P
	GPR43	HL3073	GTX640519	Rec Rb mAb	Hu	IHC-P
	GPR120	HL3563	GTX641469	Rec Rb mAb	Hu	ICC/IF
Glycoprotein	FSH Receptor	HL2784	GTX639652	Rec Rb mAb	Hu, Ms	WB, ICC/IF

Product Index

Recombinant | KO/KD Validation | Comparable Abs | Orthogonal Validation | Protein Overexpression | HistoMAX

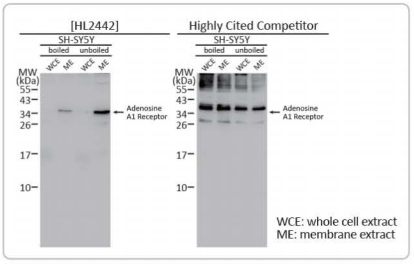
	Subclass	Product Name	Clone	Cat. No.	Clonality	Reactivity	Applications
Class A	Glycoprotein	FSH Receptor	HL2841	GTX640112	Rec Rb mAb	Hu	IHC-P
			HL2926	GTX640269	Rec Rb mAb	Hu, Ms	ICC/IF, IHC-P
			HL3233	GTX640874	Rec Rb mAb	Hu	WB
	Gonadotrophin	GnRHR	HL2638	GTX639094	Rec Rb mAb	Hu, Ms	WB, IHC-P
	Histamine	HRH1	HL2783	GTX639651	Rec Rb mAb	Hu	WB, IHC-P
			HL3037	GTX640475	Rec Rb mAb	Hu	WB, ICC/IF
	Lysophospholipid	EDG4 / LPAR2	HL3661	GTX641652	Rec Rb mAb	Hu	ICC/IF
		PAF Receptor	HL2998	GTX640408	Rec Rb mAb	Hu	WB
		S1PR2	HL3765	GTX641964	Rec Rb mAb	Hu, Rat	WB
	Melanocortin	MC1 Receptor	HL1470	GTX636944	Rec Rb mAb	Hu, Ms, Rat	WB, ICC/IF
			HL1471	GTX636945	Rec Rb mAb	Hu, Ms, Rat	WB, ICC/IF, IHC-P, IHC-Fr
		MC4 Receptor	HL3145	GTX640637	Rec Rb mAb	Hu, Ms	IHC-P
		MC5 Receptor	HL3178	GTX640696	Rec Rb mAb	Ms	WB
	Opioid	delta Opioid Receptor	HL2724	GTX639551	Rec Rb mAb	Hu	WB, IHC-P
		Mu Opioid Receptor	HL3348	GTX641120	Rec Rb mAb	Ms	WB
	Opsins	Opsin Red / Green	HL3435	GTX641277	Rec Rb mAb	Hu, Ms, Rat	WB, ICC/IF, IHC-P, IHC-Fr
			HL3484	GTX641369	Rec Rb mAb	Ms, Rat	IHC-P
		RGR	HL3056 + HL3058	GTX641102	Rec Rb MultiAb	Ms, Rat	IHC-P
			HL3058	GTX640501	Rec Rb mAb	Ms, Rat	IHC-P
		Rhodopsin	HL2668	GTX639332	Rec Rb mAb	Hu, Ms, Rat	WB, IHC-P
	Prostanoid	PTGER3	HL3653	GTX641644	Rec Rb mAb	Hu	IHC-P
	P2Y	P2Y1	HL2702	GTX639453	Rec Rb mAb	Hu	WB
		P2Y2	HL2704	GTX639458	Rec Rb mAb	Hu	WB, ICC/IF
			HL2801	GTX639689	Rec Rb mAb	Hu, Ms	ICC/IF, IHC-P
			HL3923	GTX642168	Rec Rb mAb	Hu	FCM
		P2Y11	HL2821	GTX640092	Rec Rb mAb	Hu	IHC-P
		P2Y12	HL2829	GTX640100	Rec Rb mAb	Hu	ICC/IF
		P2Y13	HL3775	GTX641974	Rec Rb mAb	Hu	FCM
	Somatostatin	Somatostatin Receptor 2	HL3078	GTX640524	Rec Rb mAb	Hu	ICC/IF, IHC-P
		Somatostatin Receptor 3	H340	GTX641401	Rec Rb mAb	Hu	IHC-P
			HL2681	GTX639345	Rec Rb mAb	Hu, Ms	WB, IHC-P
		Somatostatin Receptor 4	HL2933	GTX640276	Rec Rb mAb	Hu	WB, IHC-P
		Somatostatin Receptor 5	HL2756	GTX639619	Rec Rb mAb	Hu	WB
	Tachykinin	Neurokinin 1 Receptor	HL3194	GTX640833	Rec Rb mAb	Hu	ICC/IF
			HL3195	GTX640834	Rec Rb mAb	Hu, Ms, Rat, Dog	WB, IHC-P
Class B1	Calcitonin	CRLR	HL3876	GTX642114	Rec Rb mAb	Hu	WB
	Glucagon family	GLP1R	HL2297	GTX638352	Rec Rb mAb	Hu, Ms, Rat	IHC-P
			HL2298	GTX638353	Rec Rb mAb	Ms	IHC-P
	Parathyroid	PTH1R	HL3651	GTX641642	Rec Rb mAb	Hu, Ms	WB
	VIP and PACAP	VPAC2	HL3625	GTX641600	Rec Rb mAb	Hu, Ms, Rat	WB
Class B2	Adhesion	CD97	HL1924	GTX637673	Rec Rb mAb	Hu, Dog	WB, ICC/IF
			HL1925	GTX637674	Rec Rb mAb	Hu	WB, IP
		GPR114	HL3850	GTX642084	Rec Rb mAb	Hu	WB
Class C	Calcium-sensing	Calcium Sensing Receptor	HL2357	GTX638563	Rec Rb mAb	Hu, Ms, Rat, Cat	WB, IHC-P, IP
	Class C Orphans	GPRC5A	HL1864	GTX637589	Rec Rb mAb	Hu, Ms	WB, ICC/IF, IHC-P
			HL3393	GTX641213	Rec Rb mAb	Hu	WB, ICC/IF
		GPRC5C	HL3595	GTX641566	Rec Rb mAb	Hu, Ms	IHC-P
	GABA	GABA B Receptor 1	GT83	GTX641938	Rec Ms mAb	Ms, Rat	WB
	Metabotropic glutamate	mGluR5	H339	GTX641400	Rec Rb mAb	Hu	IHC-P
			HL2543	GTX638912	Rec Rb mAb	Hu, Ms, Rat	WB, IHC-P
			HL2876	GTX640153	Rec Rb mAb	Hu, Ms, Rat	WB, ICC/IF, IHC-P
			HL3433	GTX641275	Rec Rb mAb	Hu, Ms, Rat	WB
			HL3509	GTX641397	Rec Rb mAb	Hu, Ms, Rat	WB, IHC-P
Class F	Frizzled	Frizzled 4	HL2824	GTX640095	Rec Rb mAb	Hu, Zfsh	WB
		Frizzled 9	HL1675	GTX637274	Rec Rb mAb	Hu	WB
		Smoothened Homolog	HL2975	GTX640362	Rec Rb mAb	Hu, Ms	WB
			HL2976	GTX640363	Rec Rb mAb	Hu	WB
			HL3055	GTX640498	Rec Rb mAb	Hu	IHC-P

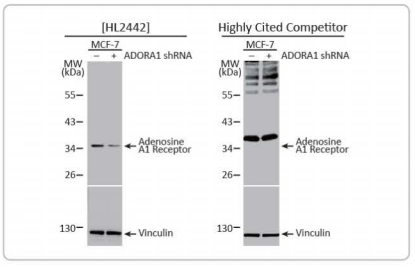
Product Images

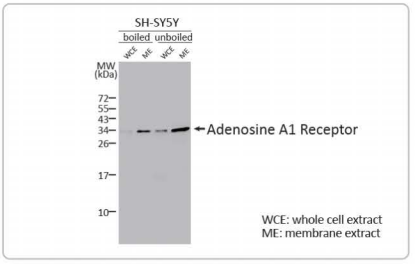
Class A

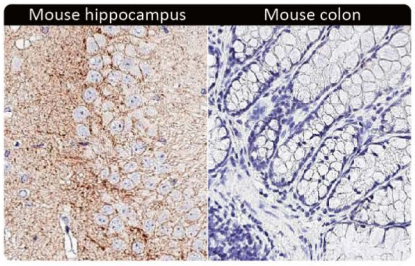
Adenosine A1 Receptor

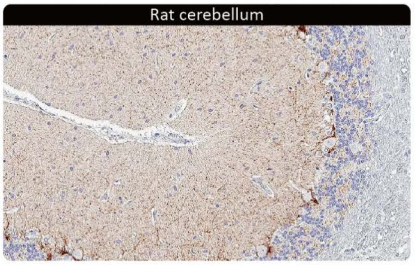
Intracellular domain







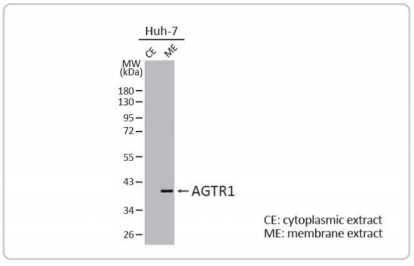


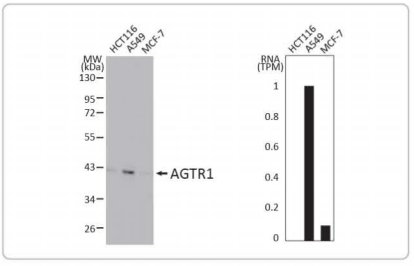


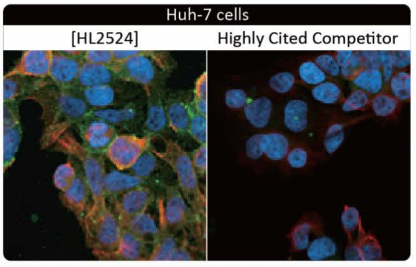
Adenosine A1 Receptor [HL2442] (GTX638758)

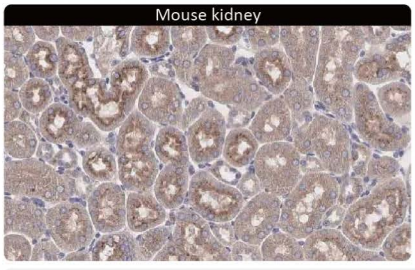
AGTR1

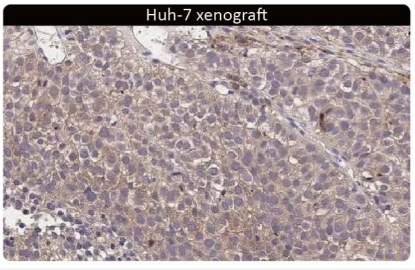
Extracellular domain











AGTR1 [HL2524] (GTX638885)

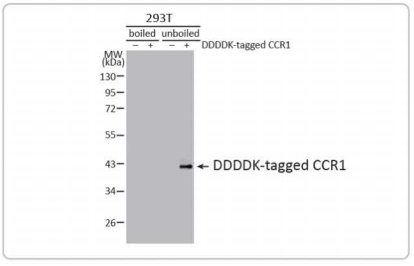
Recombinant | KO/KD Validation | Comparable Abs | Orthogonal Validation

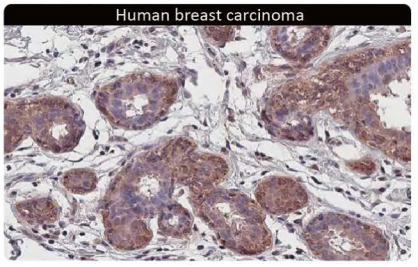
Product Images

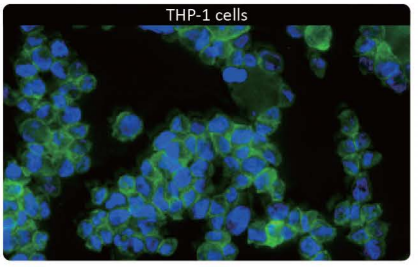
Class A

CCR1

Intracellular domain

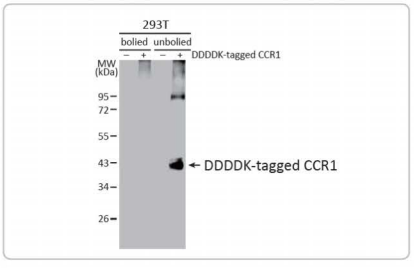


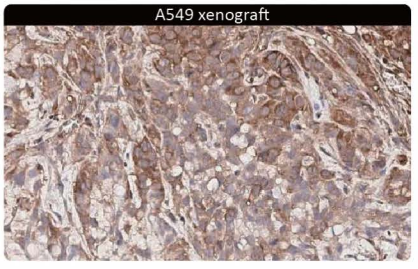


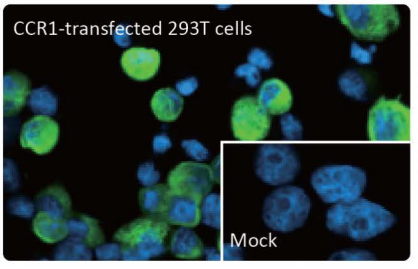


CCR1 [HL2840] (GTX640111)

Extracellular domain



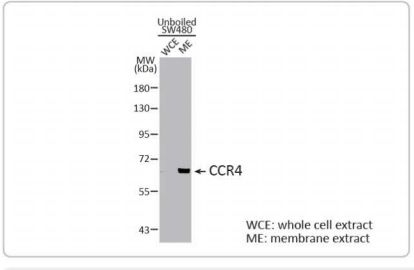


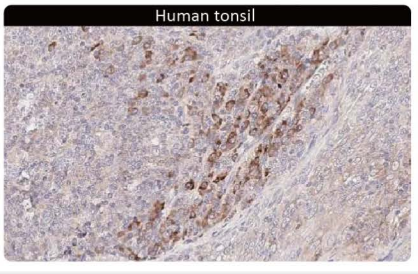


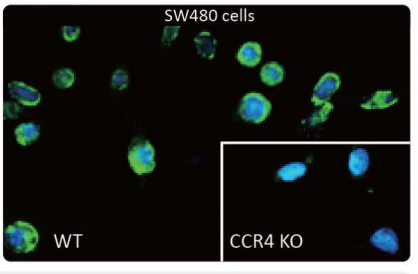
CCR1 [HL3023] (GTX640436)

CCR4

Intracellular domain







CCR4 [HL2481] (GTX638830)

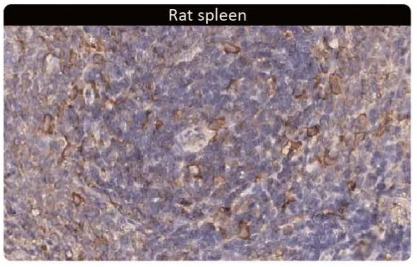
Recombinant | KO/KD Validation | Comparable Abs | Orthogonal Validation | Protein Overexpression

Product Images

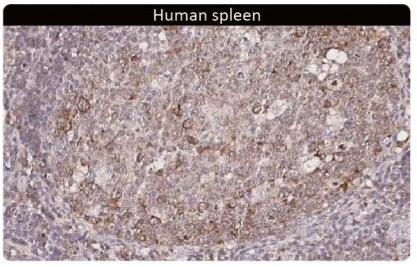
Class A

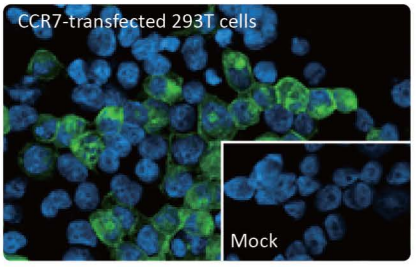
CCR7

Extracellular domain



CCR7 [HL3075] (GTX640521)

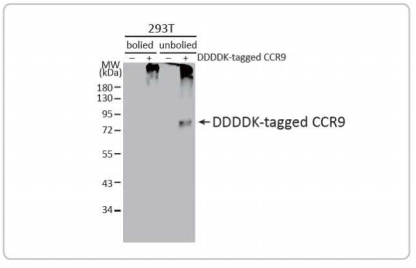


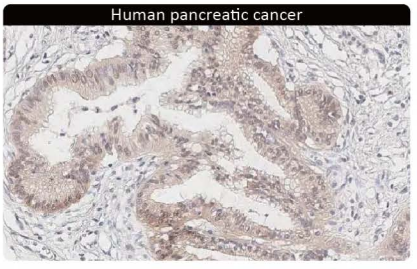


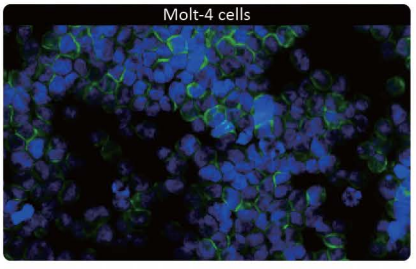
CCR7 [HL3074] (GTX640520)

CCR9

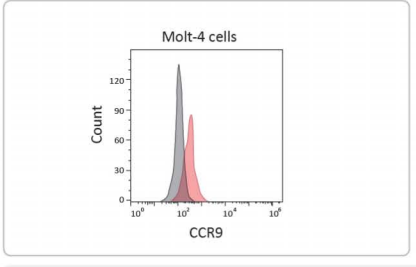
Extracellular domain

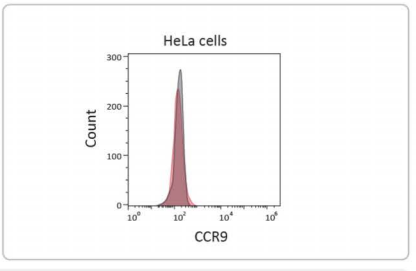






CCR9 [HL3054] (GTX640497)

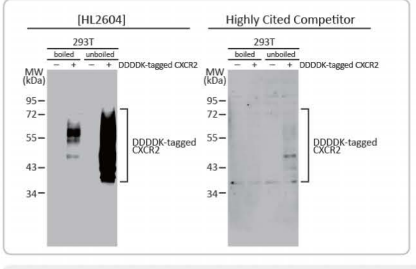


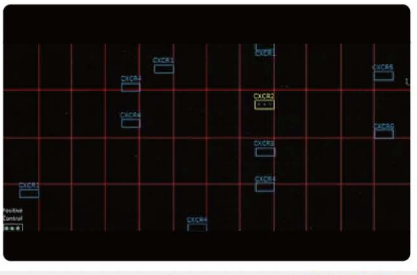


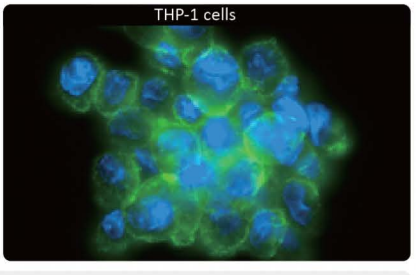
CCR9 [HL3054] (GTX640497)

CXCR2

Extracellular domain







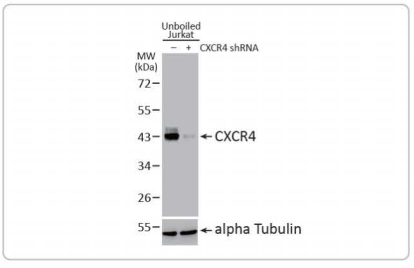
CXCR2 [HL2604] (GTX639056)

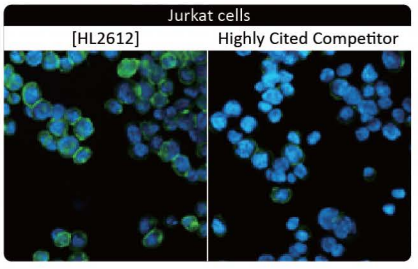
Product Images

Class A

CXCR4

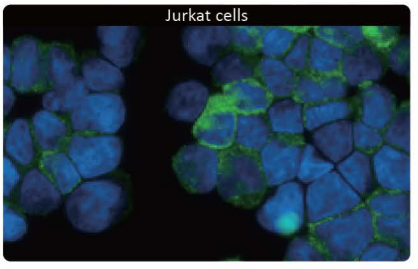
Intracellular domain





CXCR4 [HL2612] (GTX639064)

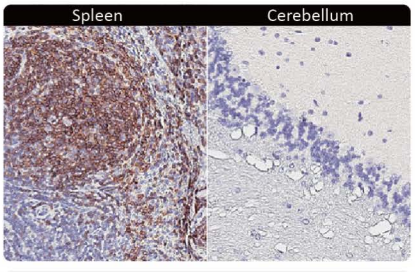
Extracellular domain



CXCR4 [HL2734] (GTX639562)

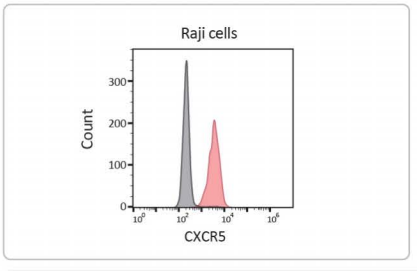
CXCR5

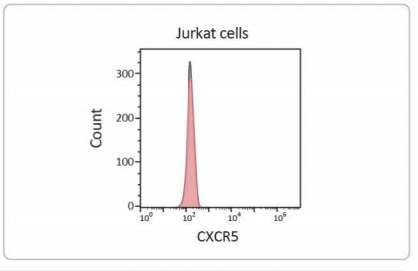
Intracellular domain



CXCR5 [HL3569] (GTX641475)

Extracellular domain

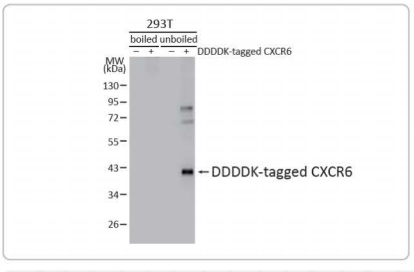


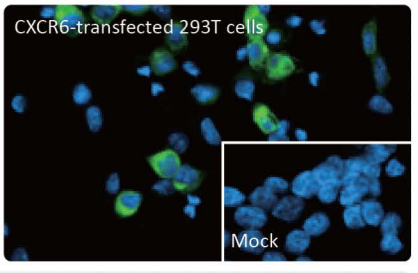


CXCR5 [HL3778] (GTX641977)

CXCR6

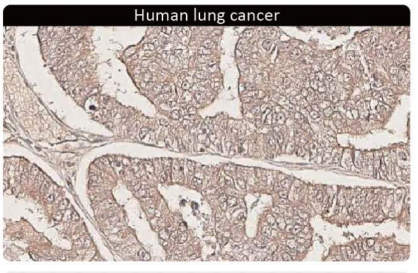
Extracellular domain





CXCR6 [HL2849] (GTX640120)

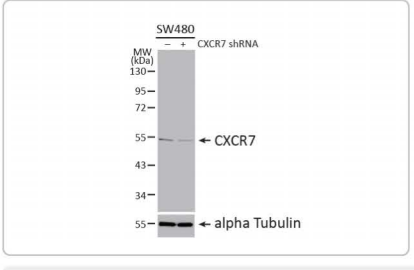
Intracellular domain

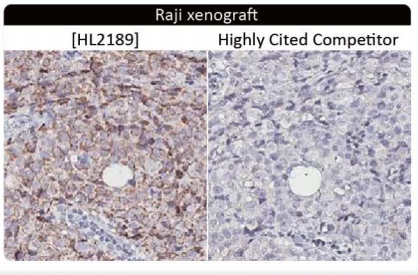


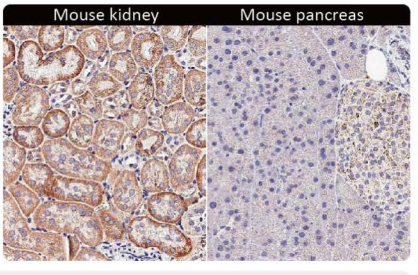
CXCR6 [HL3144] (GTX640636)

CXCR7

Intracellular domain







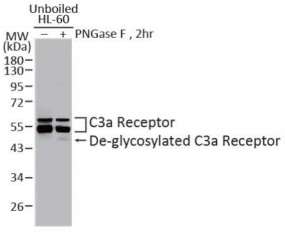
CXCR7 [HL2189] (GTX638193)

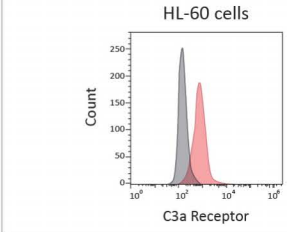
Product Images

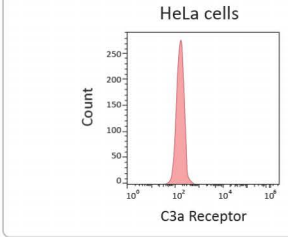
Class A

C3a Receptor

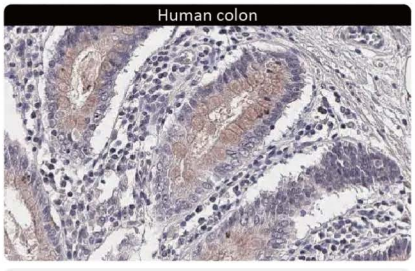
Extracellular domain



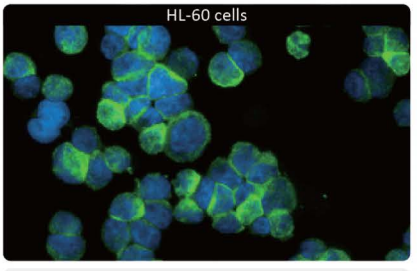




C3a Receptor [HL2831] (GTX640102)



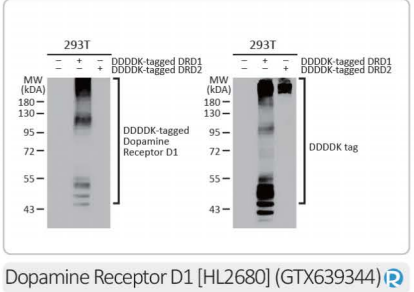
C3a Receptor [HL2855] (GTX640126)



C3a Receptor [HL2744] (GTX639573)

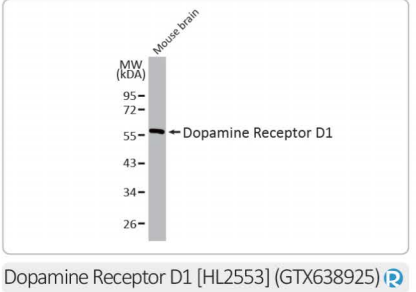
Dopamine Receptor D1

Intracellular domain



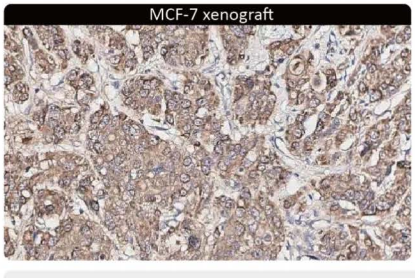
Dopamine Receptor D1 [HL2680] (GTX639344)

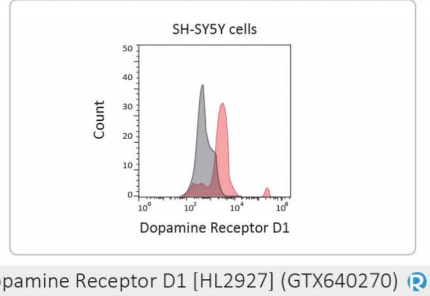
Extracellular domain

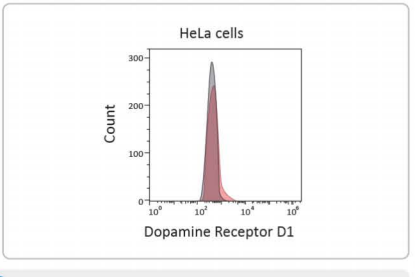


Dopamine Receptor D1 [HL2553] (GTX638925)

Extracellular domain







Dopamine Receptor D1 [HL2927] (GTX640270)

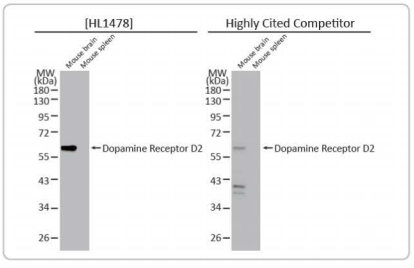
Recombinant | Citation Support | KO/KD Validation | Comparable Abs | Orthogonal Validation | Protein Overexpression

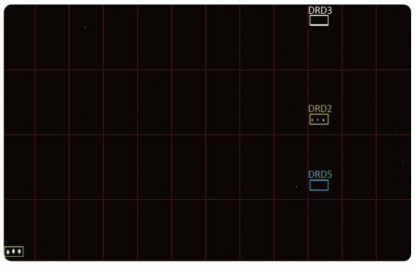
Product Images

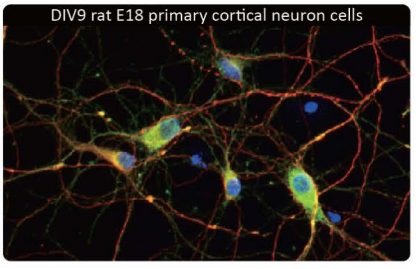
Class A

Dopamine Receptor D2

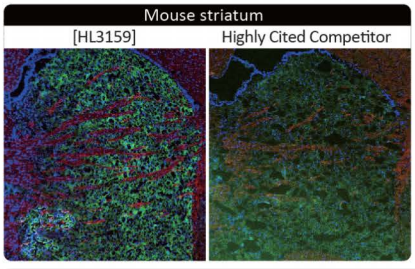
Extracellular domain

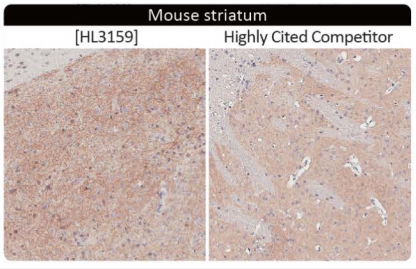


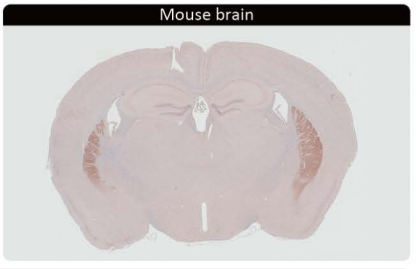




Dopamine Receptor D2 [HL1478] (GTX636952)



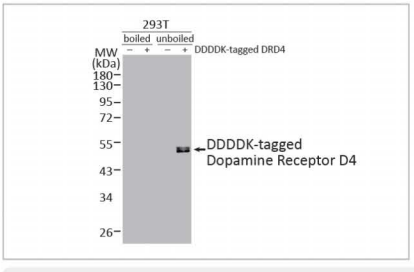


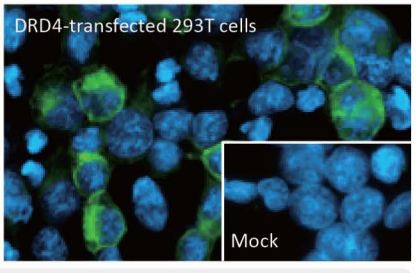


Dopamine Receptor D2 [HL3159] (GTX640669)

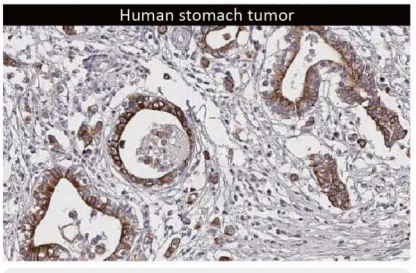
Dopamine Receptor D4

Extracellular domain





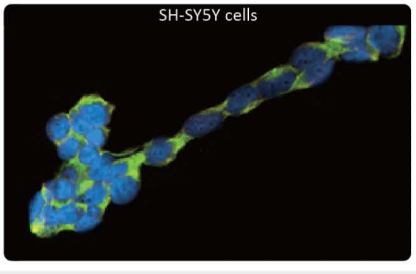
Dopamine Receptor D4 [HL2851] (GTX640122)

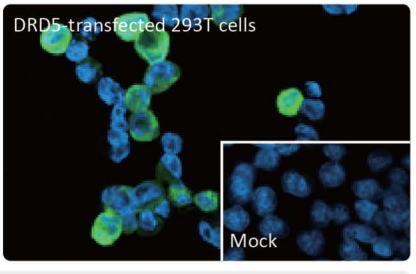


Dopamine Receptor D4 [HL2850] (GTX640121)

Dopamine Receptor D5

Intracellular domain





Dopamine Receptor D5 [HL3081] (GTX640527)

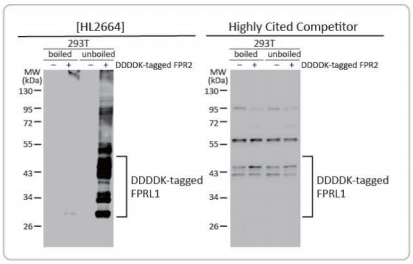
Recombinant | Comparable Abs | Orthogonal Validation | Protein Overexpression

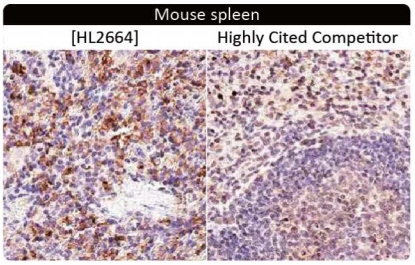
Product Images

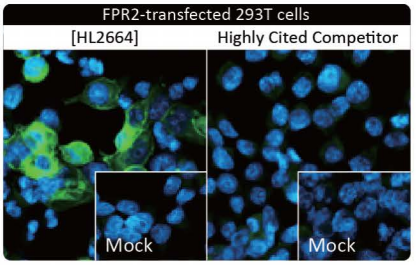
Class A

FPRL1

Extracellular domain



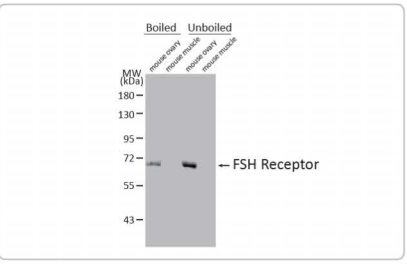




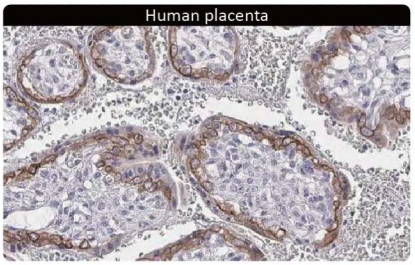
FPRL1 [HL2664] (GTX639328)

FSH Receptor

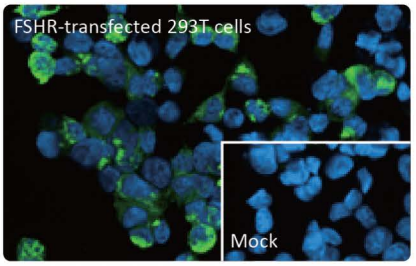
Extracellular domain



FSH Receptor [HL2784] (GTX639652)



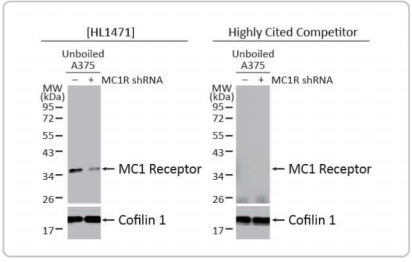
FSH Receptor [HL2841] (GTX640112)

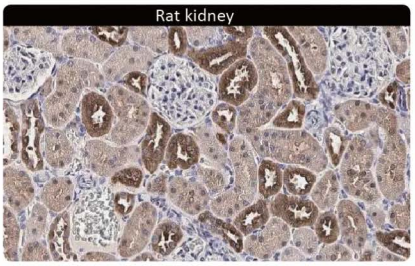


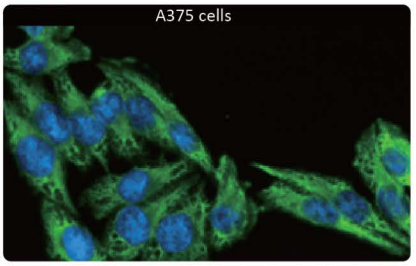
FSH Receptor [HL2926] (GTX640269)

MC1 Receptor

Intracellular domain







MC1 Receptor [HL1471] (GTX636945)

MC1 Receptor [HL1470] (GTX636944)

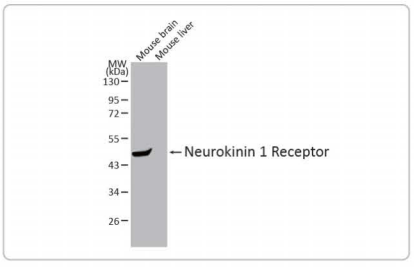
Recombinant | KO/KD Validation | Comparable Abs | Orthogonal Validation | Protein Overexpression

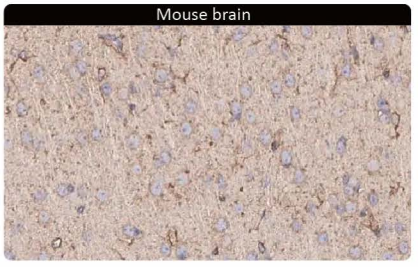
Product Images

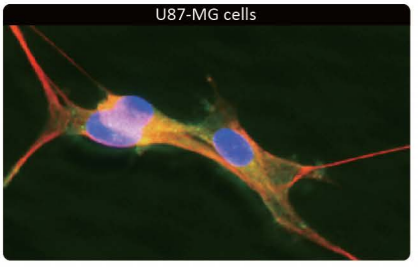
Class A

Neurokinin 1 Receptor

Intracellular domain





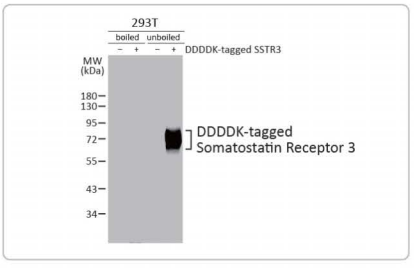


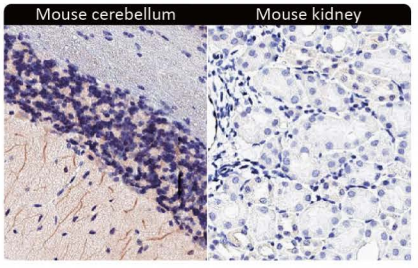
Neurokinin 1 Receptor [HL3195] (GTX640834)

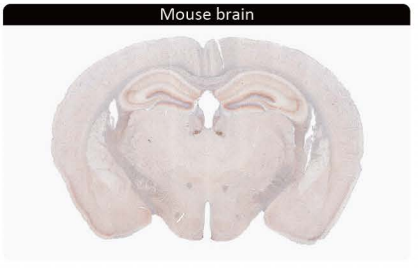
Neurokinin 1 Receptor [HL3194] (GTX640833)

Somatostatin Receptor 3

Intracellular domain

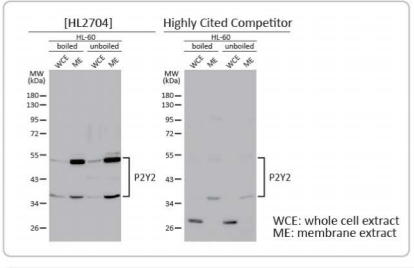


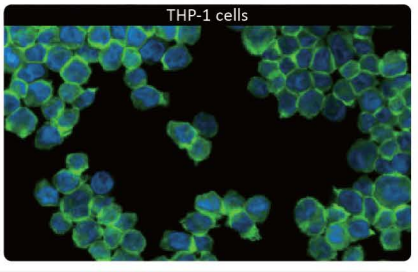




Somatostatin Receptor 3 [HL2681] (GTX639345)

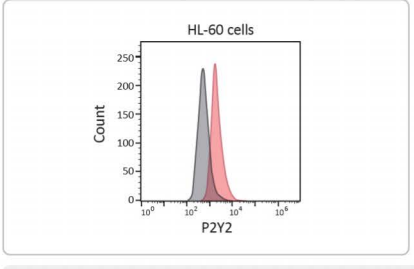
P2Y2

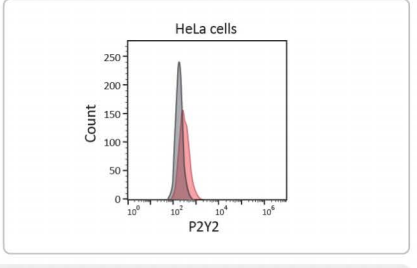


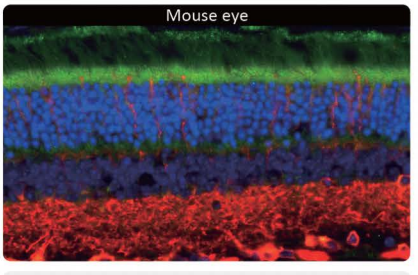


P2Y2 [HL2704] (GTX639458)

Extracellular domain







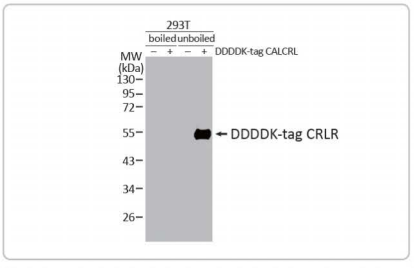
P2Y2 [HL3923] (GTX642168)

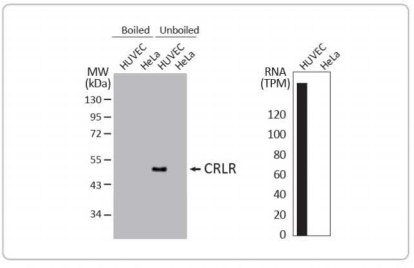
P2Y2 [HL2801] (GTX639689)

Product Images

Class B

CRLR

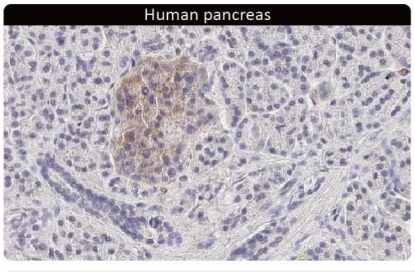


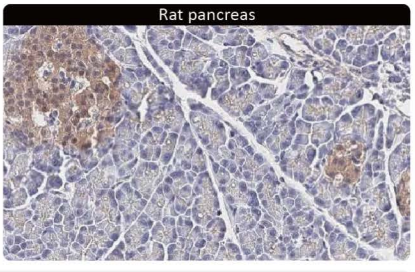


CRLR [HL3876] (GTX642114)

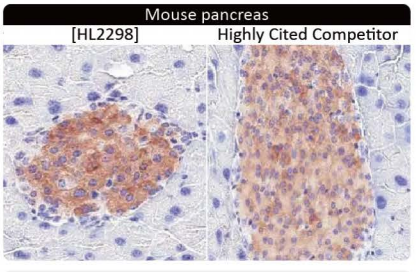
GLP1R

Extracellular domain





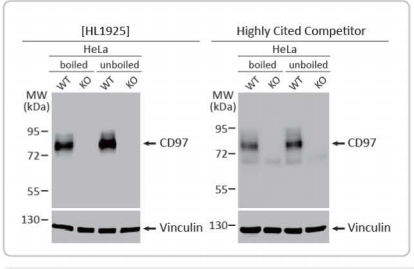
GLP1R [HL2297] (GTX638352)

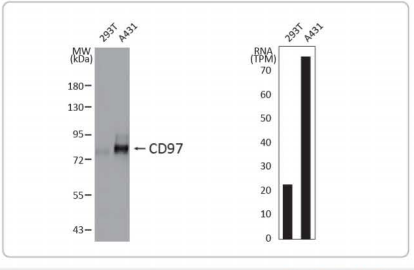


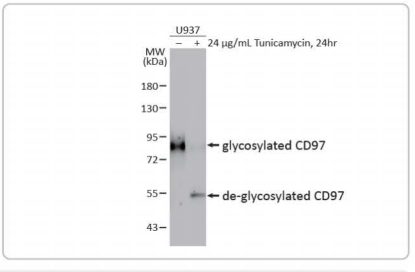
GLP1R [HL2298] (GTX638353)

CD97

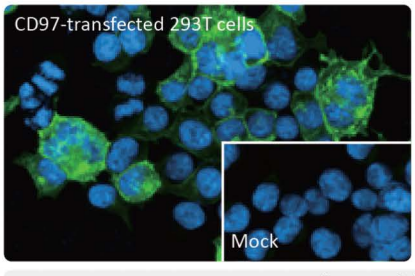
Extracellular domain

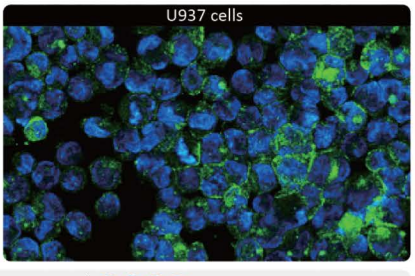






CD97 [HL1925] (GTX637674)





CD97 [HL1924] (GTX637673)

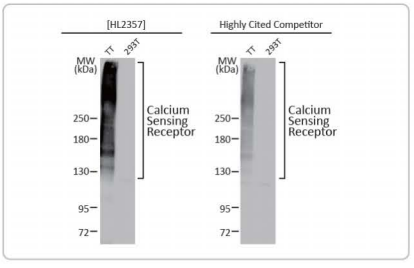
Recombinant | KO/KD Validation | Comparable Abs | Orthogonal Validation | Protein Overexpression

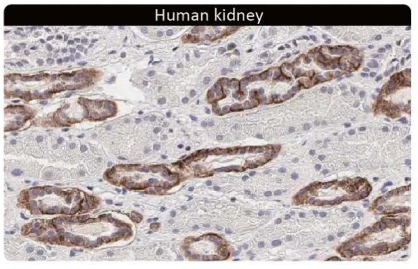
Product Images

Class C

Calcium Sensing Receptor

Extracellular domain

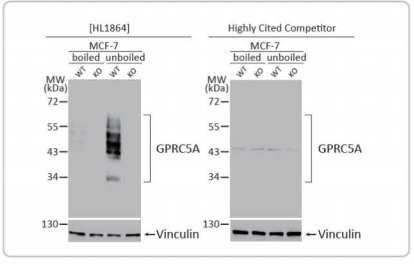


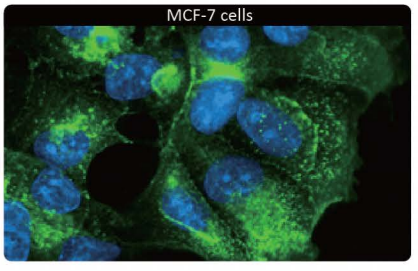


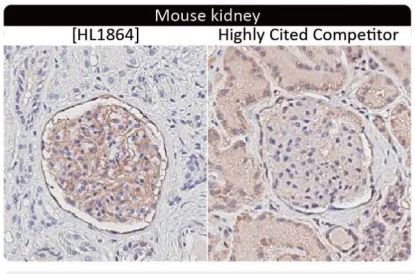
Calcium Sensing Receptor [HL2357] (GTX638563)

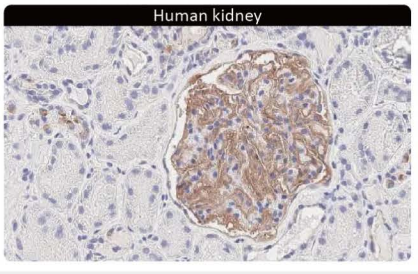
GPRC5A

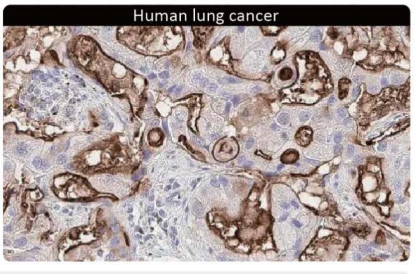
Intracellular domain





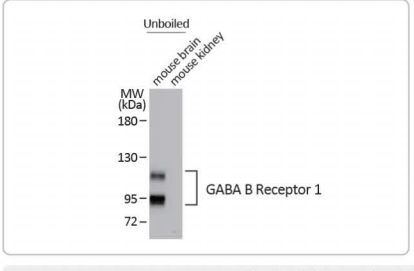


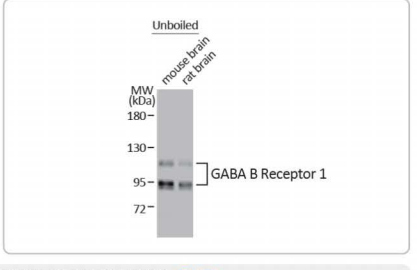




GPRC5A [HL1864] (GTX637589)

GABA B Receptor 1





GABA B Receptor 1 [GT83] (GTX641938)

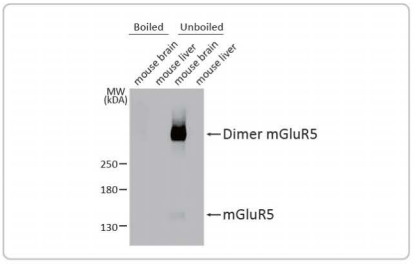
Recombinant | KO/KD Validation | Comparable Abs | Orthogonal Validation | Protein Overexpression

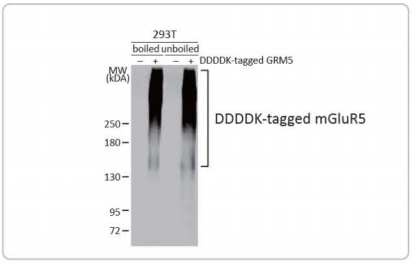
Product Images

Class C

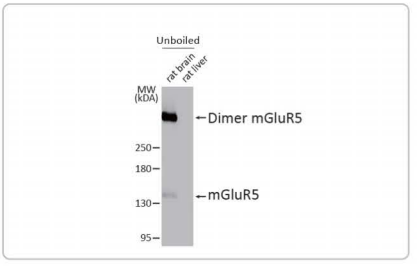
mGluR5

Intracellular domain



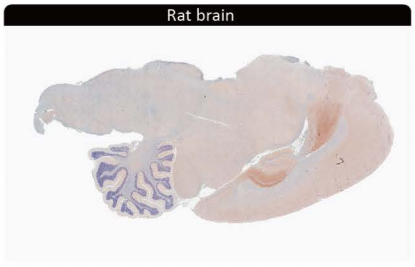


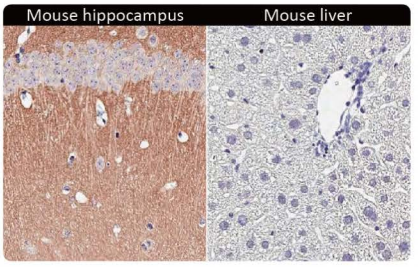
mGluR5 [HL3433] (GTX641275)



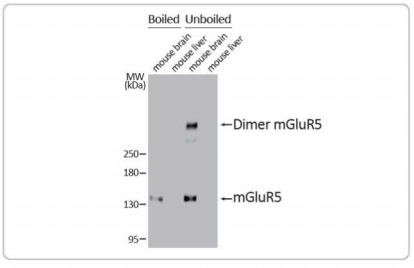
mGluR5 [HL3509] (GTX641397)

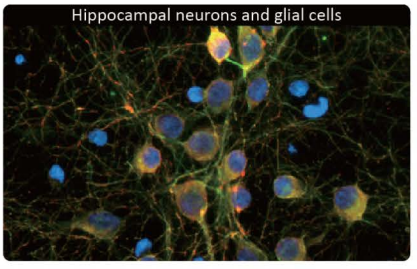
Extracellular domain





mGluR5 [HL2543] (GTX638912)





mGluR5 [HL2876] (GTX640153)

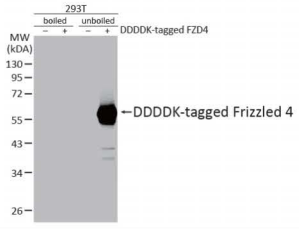
Recombinant Orthogonal Validation Protein Overexpression

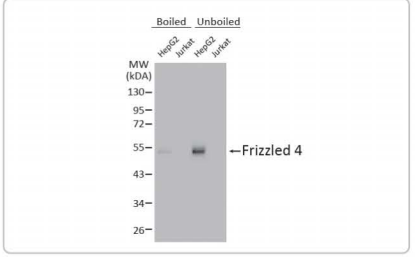
Product Images

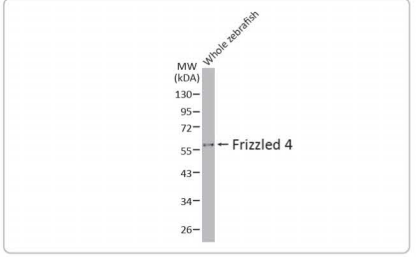
Class F

Frizzled 4

Intracellular domain



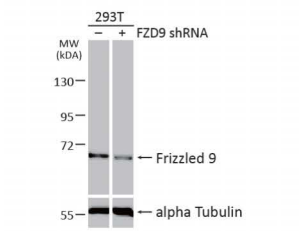


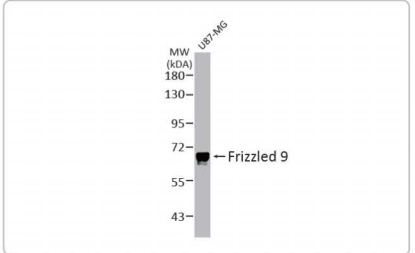


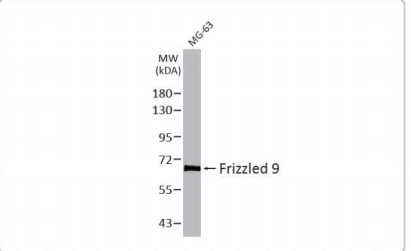
Frizzled 4 [HL2824] (GTX640095)

Frizzled 9

Extracellular domain



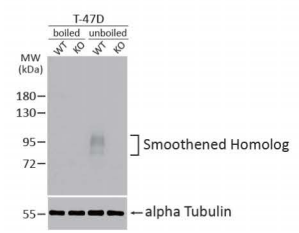




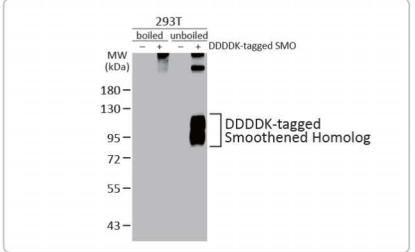
Frizzled 9 [HL1675] (GTX637274)

Smoothened Homolog

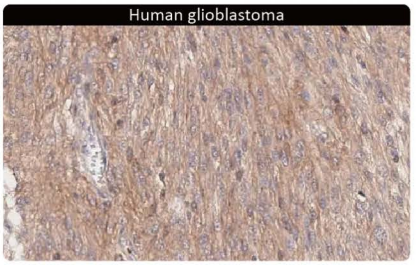
Intracellular domain



Smoothened Homolog [HL2975] (GTX640362)



Smoothened Homolog [HL2976] (GTX640363)

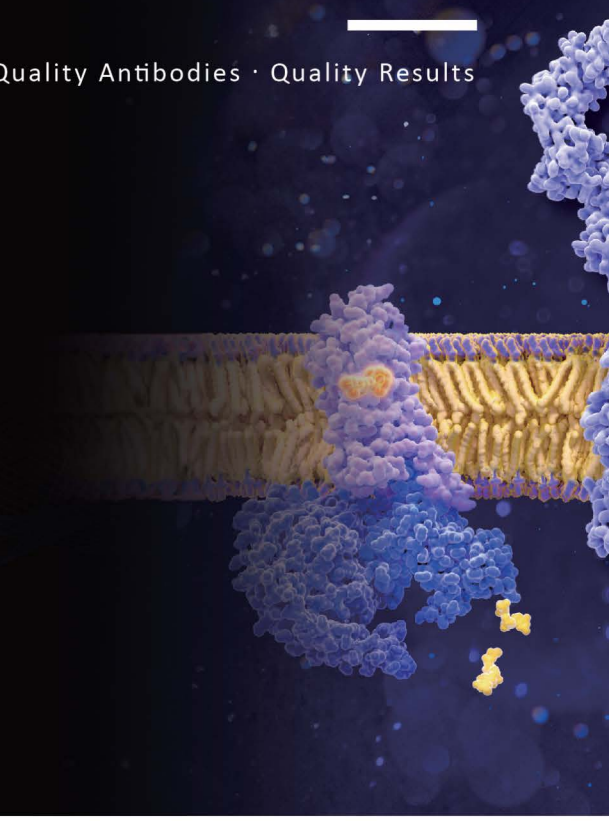


Smoothened Homolog [HL3055] (GTX640498)

Recombinant | KO/KD Validation | Orthogonal Validation | Protein Overexpression

www.GeneTex.com

Quality Antibodies · Quality Results



GeneTex

International

Tel 886.3.6208988
Fax 886.3.6208989
Address 6F-2, No.89, Dongmei Rd., Hsinchu 300, Taiwan (R.O.C.)
E-mail international@genetex.com

USA

Toll-free 1.877.GeneTex(1.877.436.3839)
Fax 1.949.309.2888
Address 2456 Alton Parkway, Irvine, CA 92606 USA
E-mail sales@genetex.com

genetex

PB-G002-250214