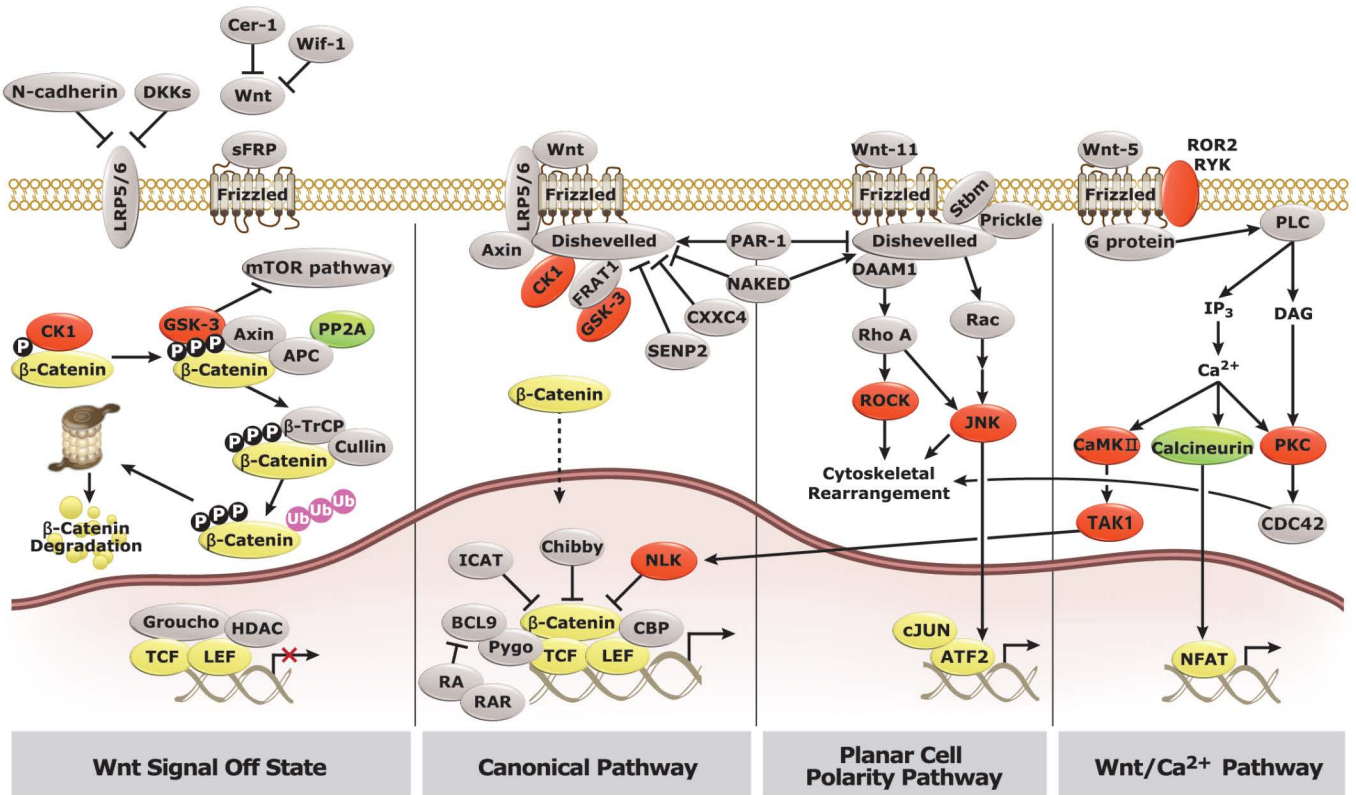


Wnt Signaling

www.genetex.com

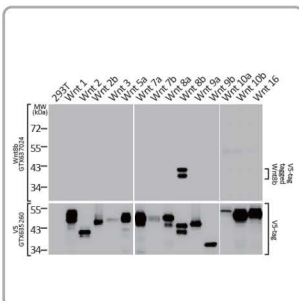


Wnt proteins are secreted morphogens that are required for various developmental processes including cell fate determination, cell proliferation and cell death. After binding to the Frizzled receptor, three pathways are triggered: the canonical pathway, the planar cell polarity pathway and the Wnt/Ca²⁺ pathway. In the canonical pathway, the major effector β-catenin enters the nucleus and promotes Wnt-regulated gene expression. The planar cell polarity pathway promotes cytoskeleton remodeling and cell movement via activation of RhoA and Rac. The Wnt-Ca²⁺ pathway mediates multiple functions via an increase in transient Ca²⁺ levels and the subsequent activation of PKC, CAMKII and calcineurin. Wnt pathways not only facilitate various aspects of embryogenesis, including apical/basal polarity and neural tube patterning, but also induce tumorigenesis. Wnt signaling has also recently been reported to regulate stem cell differentiation.

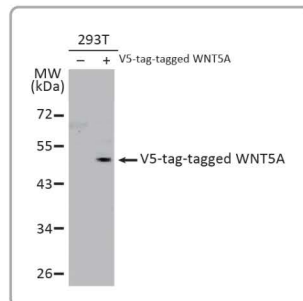
Highlighted Products



Recombinant Citation Support KO/KD Validation

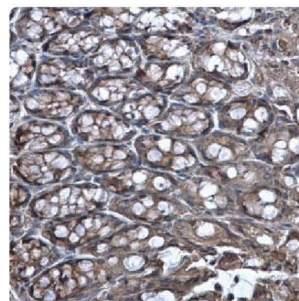
Comparable Abs Orthogonal Validation Protein Overexpression





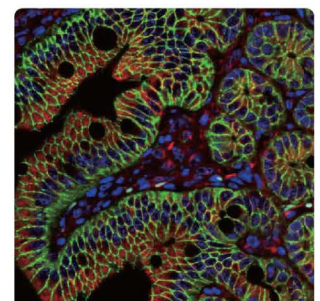
Wnt8b antibody [HL1549] (GTX637024) 







Wnt5a antibody (GTX111187)  

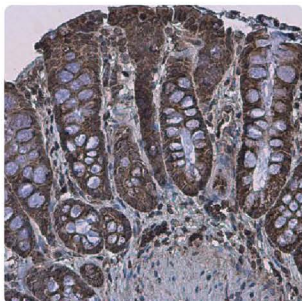


Wnt11 antibody (GTX105971)  

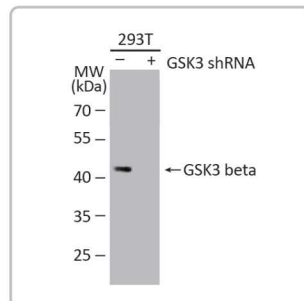


beta Catenin antibody [N1N2-2], N-term (GTX101435)    

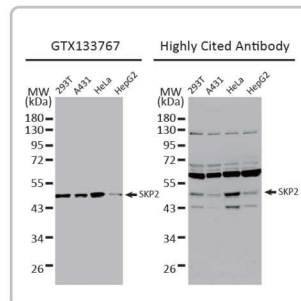
	Cat. No.	Product Name	Clonality	Reactivity	Applications
Catenin	GTX111095	alpha 1 Catenin antibody [N3C2], Internal	Rb pAb	Hu,Ms,Rat,Zfsh	WB, ICC/IF, IHC-P, IHC-Fr
	GTX115881	alpha 3 Catenin antibody [N1N3]	Rb pAb	Hu	WB, IHC-P
	GTX111168	alpha Catenin antibody [N1N3]	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IP
	GTX132605	beta Catenin (phospho Ser33/Ser37/Thr41) antibody	Rb pAb	Hu	WB
	GTX132611	beta Catenin (phospho Ser675) antibody	Rb pAb	Hu,Ms,Rat	WB
	GTX101435	beta Catenin antibody [N1N2-2], N-term	Rb pAb	Hu,Ms,Rat,Rb	WB, ICC/IF, IHC-P, FACS, IP, ChIP assay
	GTX130428	p120 Catenin (phospho Ser268) antibody	Rb pAb	Hu,Ms	WB
	GTX130448	p120 Catenin antibody	Rb pAb	Hu	WB
APC	GTX116009	APC antibody [C3], C-term	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IHC
ATF2	GTX100224	ATF2 antibody	Rb pAb	Hu	IHC-P
Axin	GTX105442	Axin 2 antibody [N2C2], Internal	Rb pAb	Hu,Ms,Rat	WB, IHC-P
BCL9	GTX32006	BCL9L antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P, ELISA
beta-TrCP	GTX102667	beta-TrCP antibody [N1C1]	Rb pAb	Hu,Rat	WB, IHC-P
C-Jun	GTX112974	c-Jun antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P
	GTX634322	c-Jun (phospho Ser63) antibody [GT653]	Ms mAb	Hu,Rat	WB, ICC/IF, IHC-P, FACS
	GTX133873	c-Jun (phospho Ser73) antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
CAMKII	GTX135117	CaMKII antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IHC-Fr
	GTX127939	CaMKII alpha antibody	Rb pAb	Ms,Rat	WB, ICC/IF, IHC-Fr
	GTX133859	CaMKII alpha (phospho Thr286) antibody	Rb pAb	Ms	WB
	GTX133072	CaMKII beta antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IHC-Fr
	GTX108304	CaMKII gamma antibody [N1], N-term	Rb pAb	Hu,Ms	WB
	GTX111401	CaMKII delta antibody	Rb pAb	Hu,Ms,Rat,Rb	WB, ICC/IF, IHC-P, IP
	GTX52342	CaMKII beta/ gamma/ delta (phospho Thr287) antibody	Rb pAb	Hu,Ms,Rat	WB, IHC
Calcineurin	GTX111207	Calcineurin A antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
	GTX114181	Calcineurin B antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
CK1	GTX50020	Casein Kinase 1 alpha antibody [AT2E2]	Ms mAb	Hu	WB, ICC/IF, ELISA
	GTX105584	Casein Kinase 1 alpha 1L antibody	Rb pAb	Hu,Rat	WB, ICC/IF, IHC-P
	GTX123435	Casein Kinase 1 delta antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P
	GTX55549	Casein Kinase 1 epsilon antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
	GTX107762	Casein Kinase 1 gamma 2 antibody [N3C3]	Rb pAb	Hu	WB
CBP	GTX101249	CBP antibody [C3], C-term	Rb pAb	Hu,Ms,Mk	WB, ICC/IF, IHC-P, IP, ChIP assay
Cullin	GTX00988	Cullin 1 antibody [JM72-30]	Rec Rb mAb	Hu,Ms,Rat	WB, IHC-P, FACS
	GTX103715	Cullin 3 antibody	Rb pAb	Hu,Ms	WB
	GTX634164	Cullin 4a antibody [GT885]	Ms mAb	Hu	WB, ICC/IF
	GTX129298	Cullin 4b antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
Dishevelled	GTX47783	Dishevelled 1 antibody, C-term	Rb pAb	Hu	WB
	GTX111156	Dishevelled 2 antibody [N1N3]	Rb pAb	Hu,Ms,Rat	WB, ICC/IF
	GTX102509	Dishevelled 3 antibody [N1N2], N-term	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P, IHC-Fr, IP, IHC
DKK	GTX40056	DKK1 antibody	Rb pAb	Hu	WB, IHC-P
	GTX115842	DKK3 antibody [N2C3]	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-Fr
	GTX32563	DKK4 antibody	Rb pAb	Hu,Ms	WB
Frizzled	GTX71477	Frizzled 1 antibody	Rb pAb	Hu,Bov,Dog,Mk,Bat	IHC-P
	GTX88690	Frizzled 2 antibody, Internal	Gt pAb	Hu	WB, ICC/IF, IHC-P
	GTX100182	Frizzled 3 antibody	Rb pAb	Hu,Ms	WB, IHC-P, IHC
	GTX01572	Frizzled 4 antibody	Rb pAb	Hu	WB, IHC-P
	GTX60642	Frizzled 5 antibody [2D12]	Ms mAb	Hu	WB, FACS, ELISA



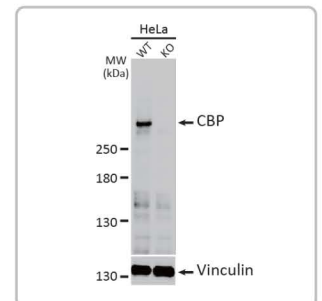
APC antibody [C3], C-term (GTX116009)



GSK3 beta antibody [C1C3] (GTX111192)

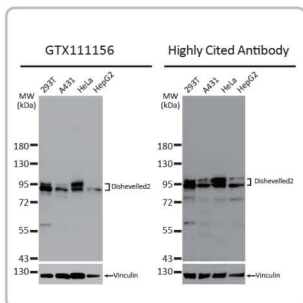


SKP2 antibody (GTX133767)

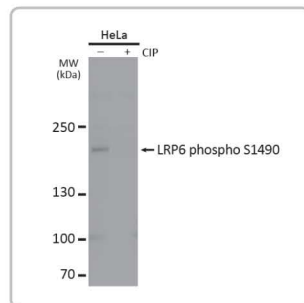


CBP antibody [C3], C-term (GTX101249)

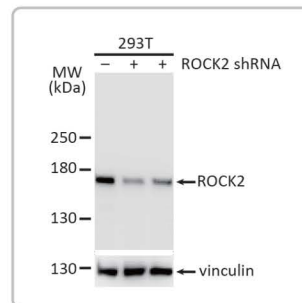
	Cat. No.	Product Name	Clonality	Reactivity	Applications
Frizzled	GTX113872	Frizzled 6 antibody	Rb pAb	Hu	WB
	GTX88831	Frizzled 7 antibody, C-term	Goat pAb	Hu	WB, IHC-P
	GTX104679	Frizzled 8 antibody	Rb pAb	Hu,Ms	WB, IHC-P
	GTX100169	Frizzled 9 antibody [N1N2], N-term	Rb pAb	Hu,Rat	WB, IHC-P
	GTX100358	Frizzled 10 antibody	Rb pAb	Hu,Ms	WB, IHC-P
GSK3 beta	GTX111192	GSK3 beta antibody [C1C3]	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
	GTX00971	GSK3 beta (phospho Ser9) antibody [GT1209]	Rec Rb mAb	Hu,Ms	WB, IHC-P
	GTX133870	GSK3 beta (phospho Ser390) antibody	Rb pAb	Hu	WB
	GTX132997	GSK3 alpha (phospho Ser21) + GSK3 beta (phospho Ser9) antibody	Rb pAb	Hu,Ms	WB, IHC-Fr
JNK	GTX635799	JNK (phospho Thr183/Tyr185) antibody [HL1008]	Rec Rb mAb	Hu,Ms,Rat	WB, IHC-P
	GTX105523	JNK2 antibody [N1C3]	Rb pAb	Hu,Ms,Rat,P. xylostella	WB, ICC/IF, IHC-P, IHC
	GTX133806	JNK1 + JNK2 antibody	Rb pAb	Hu,Rat	WB, IHC-P
LEF	GTX129186	LEF1 antibody	Rb pAb	Hu,Rat	WB
LRP5/6	GTX64412	LRP5 antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-P
	GTX17568	LRP6 antibody	Rb pAb	Hu,Ms	WB
	GTX130421	LRP6 (phospho Ser1490) antibody	Rb pAb	Hu	WB
NFAT	GTX127932	NFAT1 antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IP
	GTX25246	NFAT1 (phospho Ser54) antibody	Rb pAb	Hu,Ms	WB, ICC/IF, FACS
	GTX22796	NFAT2 antibody [7A6]	Ms mAb	Hu,Ms,Rat,Rb, Hm,Primate	WB, ICC/IF, IHC-P, IP, ChIP assay, Gel supershift assays
	GTX129225	NFATC4 antibody	Rb pAb	Hu	WB
	GTX133744	NFAT4 antibody	Rb pAb	Hu,Ms	WB
NLK	GTX107910	NLK antibody [N3C3]	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P
Classic PKC (cPKC)	GTX130453	PKC alpha antibody	Rb pAb	Hu,Ms,Rat,Zfsh	WB, ICC/IF, IHC-Fr
	GTX113252	PKC beta antibody	Rb pAb	Hu,Rat,Xenopus	WB, ICC/IF, IHC-P, Functional Assay
	GTX107639	PKC gamma antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-P, IHC-Fr
Novel PKC (nPKC)	GTX105452	PKC epsilon antibody [N2C2], Internal	Rb pAb	Hu	WB
	GTX134256	PKC eta antibody	Rb pAb	Ms	WB
	GTX109690	PKC theta antibody	Rb pAb	Hu,Rat	WB, IHC-P
	GTX133778	PKC mu antibody	Rb pAb	Hu,Ms	WB, ICC/IF
	GTX116489	PKC nu antibody [N1N3]	Rb pAb	Hu	WB, IHC-P
Atypical PKC (aPKC)	GTX111598	PKC zeta antibody	Rb pAb	Hu	WB, IHC-P
RYK	GTX25513	RYK antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-P
PP2A	GTX106334	PP2A alpha antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IP
	GTX636919	PP2A alpha antibody [HL1447]	Rec Rb mAb	Hu,Ms,Rat	WB, IHC-P
	GTX101690	PP2A beta antibody	Rb pAb	Hu,Ms	WB, ICC/IF
	GTX133709	PP2A alpha + PP2A beta antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-P
Pygopus	GTX119726	Pygopus 2 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IP, ChIP assay
RNF43	GTX132671	RNF43 antibody	Rb pAb	Hu,Ms	WB
ROR	GTX108201	ROR alpha antibody [C3], C-term	Rb pAb	Hu,Ms	WB, ICC/IF
	GTX114722	ROR beta antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-Fr
	GTX108728	ROR gamma antibody	Rb pAb	Hu	WB, ICC/IF
Prickle	GTX110860	Prickle2 antibody [N1N2], N-term	Rb pAb	Ms	WB
	GTX112458	Prickle3 antibody [N1N3]	Rb pAb	Hu	WB, ICC/IF
ROCK	GTX113266	ROCK1 antibody [N1N2], N-term	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IP
	GTX102619	ROCK2 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IHC-Fr, IP



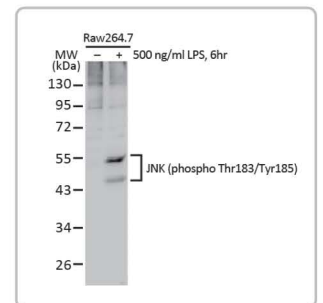
Dishevelled 2 antibody [N1N3] (GTX111156)



LRP6 (phospho Ser1490) antibody (GTX130421)

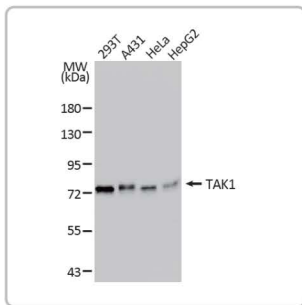


ROCK2 antibody (GTX102619)

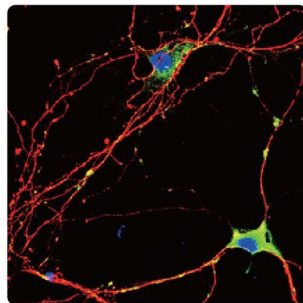


JNK (phospho Thr183/Tyr185) antibody [HL1008] (GTX635799)

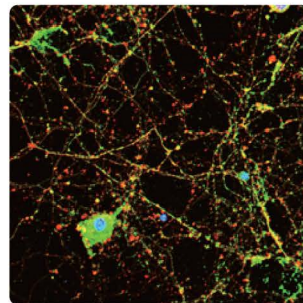
	Cat. No.	Product Name	Clonality	Reactivity	Applications
ROCK	GTX122651	ROCK2 (phospho Ser1366) antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IHC-Fr, Immunoassay
	GTX636103	ROCK2 (phospho Ser1366) antibody [HL1071]	Rec Rb mAb	Hu	WB, ICC/IF
SFRP	GTX111892	SFRP2 antibody [C2C3], C-term	Rb pAb	Hu,Pig	WB, ICC/IF, IHC-P
	GTX111897	SFRP4 antibody [C2C3], C-term	Rb pAb	Hu	WB
SKP	GTX106675	SKP1 antibody	Rb pAb	Hu,Ms	WB, IHC-P
	GTX133767	SKP2 antibody	Rb pAb	Hu	WB, ICC/IF
TAK1	GTX134664	TAK1 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF
	GTX55449	TAK1 (phospho Thr184) antibody	Rb pAb	Hu	WB
	GTX55383	TAK1 (phospho Thr187) antibody	Rb pAb	Ms	WB
Tankyrase	GTX117417	Tankyrase antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P
	GTX104638	Tankyrase 2 antibody [N1], N-term	Rb pAb	Hu	WB, ICC/IF
TCF	GTX129237	TCF3 antibody	Rb pAb	Hu	WB, ICC/IF, IP
	GTX16385	TCF4 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF
	GTX77811	TCFL5 antibody, Internal	Rb pAb	Hu	WB, IHC-P
	GTX113851	TCF7 antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-P, IP
	GTX116056	TCF7L2 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF
	GTX130901	TCF12 antibody	Rb pAb	Hu	WB
	GTX106311	TCF19 antibody	Rb pAb	Hu	WB
	GTX17396	TCF20 antibody, C-term	Rb pAb	Hu	WB, IHC-P
Wnt ligands	GTX52981	TCF21 antibody, N-term	Rb pAb	Hu	WB, IHC-P
	GTX105955	Wnt1 antibody	Rb pAb	Hu,Ms,Rat	WB
	GTX128098	Wnt2 antibody	Rb pAb	Ms	WB
	GTX128099	Wnt2b antibody	Rb pAb	Hu	WB
	GTX89319	Wnt3 antibody, Internal	Gt pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
	GTX128101	Wnt3a antibody	Rb pAb	Hu,Rat	WB, IHC-P
	GTX101085	Wnt4 antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-P
	GTX111187	Wnt5a antibody	Rb pAb	Hu,Ms,Rat	WB, IHC-P
	GTX81146	Wnt5b antibody, Internal	Rb pAb	Hu,Ms	WB, IHC-P, FACS
	GTX637043	Wnt6 antibody [HL1568]	Rec Rb mAb	Hu	WB, ICC/IF
	GTX105680	Wnt7a antibody	Rb pAb	Hu,Ms	WB, IHC-P
	GTX128107	Wnt7b antibody	Rb pAb	Hu	WB, ICC/IF
	GTX128108	Wnt8a antibody	Rb pAb	Hu	WB, IHC-P
	GTX637024	Wnt8b antibody [HL1549]	Rec Rb mAb	Hu	WB
	GTX111855	Wnt9a antibody [N1N2], N-term	Rb pAb	Ms,Rat	WB, IHC-P
	GTX111893	Wnt9b antibody [C2C3], C-term	Rb pAb	Hu	WB
	GTX111191	Wnt10a antibody [N1C1-2]	Rb pAb	Hu	WB, ICC/IF
	GTX83307	Wnt10b antibody [5A7]	Ms mAb	Hu	WB, ICC/IF, IHC-P, ELISA
	GTX105971	Wnt11 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IHC
GTX637123	Wnt11 antibody [HL1630]	Rec Rb mAb	Hu	WB	
GTX636972	Wnt16 antibody [HL1498]	Rec Rb mAb	Hu	WB	



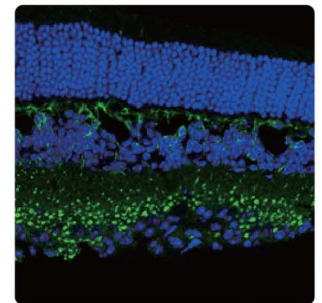
TAK1 antibody (GTX134664)



CaMKII antibody (GTX135117)



Calcineurin A antibody (GTX111207)



PKC alpha antibody (GTX130453)