NOTCH1 antibody

Cat. No. GTX28925

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IP, Dot, ELISA, Multiplexing, Neutralizing /Inhibition
Reactivity	Human, Mouse

References (5)
Package
100 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:2000
ICC/IF	Assay dependent
IHC-P	1:200
IP	Assay dependent
Dot	Assay dependent
ELISA	1:20000-1:60000
Multiplexing	Assay dependent
Neutralizing /Inhibition	Assay dependent

Not tested in other applications.

Calculated MW	273 kDa. (Note)
Product Note	This antibody reacts with mouse Notch constructs present in lysates of HEK 293 cells. Only the cleaved intracellular (activated) form (NICD) is detected. No reactivity is detected against mouse N2, N3 or N4. The immunogen epitope is only exposed after gamma secretase cleavage and is not accessible in the uncleaved form.

Properties

Form	Liquid
Buffer	20mM Potassium Phosphate, 150mM NaCl
Preservative	0.1% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	90 mg/ml (Please refer to the vial label for the specific concentration.)

For full product information, images and publications, please visit our website.

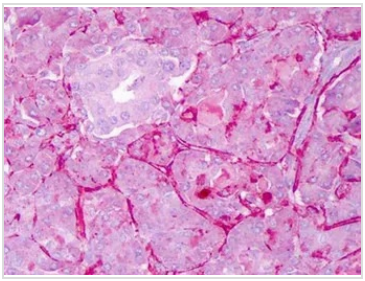
GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com

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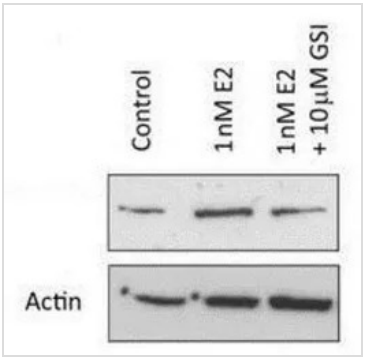
Immunogen	Synthetic peptide corresponding to amino acid residues of human Notch 1 located near the N-terminal sequence of the cleaved N intracellular domain (NICD).
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



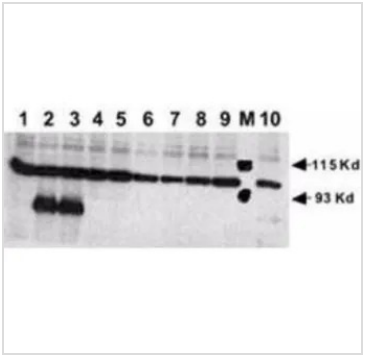
GTX28925 IHC-P Image

IHC-P analysis of exocrine glands of human pancreas using Rabbit anti-Notch1 antibody (GTX28925) at a dilution of 1:200. Staining: moderate to strong membranous staining and faint to moderate cytoplasmic staining. Islets showed faint staining.



GTX28925 WB Image

Western Blot of Rabbit anti-Notch1 antibody (GTX28925). Lane 1: MCF-7 control lysate. Lane 2: MCF-7 +1 nM 17s-estradiol. Lane 3: MCF-7 + 10 µM gamma secretase inhibitor. Load: 35 µg per lane. Primary antibody: Notch1 antibody at 1:500 for overnight at 4ºC. Rabbit secondary antibody at 1:10,000 for 45 min at RT.Predicted/Observed size: 80 kDa for Notch1.



GTX28925 WB Image

Rabbit anti-Human NOTCH 1 (Cleaved N Terminal) was used at a 1:500 dilution to detect mouse Notch 1 by Western blot in 293 cells transiently transfected with myc-tagged mouse Notch. Bound antibody was detected with a 1:10,000 dilution of HRP conjugated Goat anti Rabbit IgG, and color development. Lane M: markers. Lane 1: No transfection. Lane 2: N1 (mouse deleted extracellular domain)-myc. Lane 3: N1 (mouse intracellular domain)-myc. Lane 4: N2 (mouse deleted extracellular domain)-myc. Lane 5: N2 (mouse intracellular domain)-myc. Lane 6: N3 (mouse deleted extracellular domain)-myc. Lane 7: N3 (mouse intracellular domain)-myc. Lane 8: N4 (mouse deleted extracellular domain)-myc. Lane 9: N4 (mouse intracellular domain)-myc. Lane 10: N1 (mouse deleted extracellular domain)(V to G)-myc.

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