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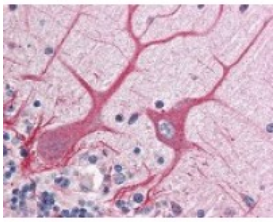
NOTCH1 Antibody

CATALOG NUMBER: 49-457



Immunohistochemistry staining of NOTCH1 in cerebellum tissue using NOTCH1 Antibody.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC, WB
APPLICATIONS:	NOTCH1 antibody can be used in ELISA starting at 1:000 - 1:1000, and immunohistochemistry starting at 5 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
IMMUNOGEN:	NOTCH1 antibody was raised against amino acids 2488-2502 from the C-Terminus of NOTCH1 (Human). A residue of cysteine was added to the amino terminal end to facilitate coupling.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Antiserum
PHYSICAL STATE:	Liquid
BUFFER:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
STORAGE CONDITIONS:	NOTCH1 antibody can be stored short term 4 ˚C. For long term storage aliquot and store at -20 ˚C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	NOTCH1, Notch 1, TAN1
ACCESSION NO.:	P46531
PROTEIN GI NO.:	206729936
OFFICIAL SYMBOL:	NOTCH1
GENE ID:	4851

Background

BACKGROUND:	Notch is synthesized in the endoplasmic reticulum as an inactive form which is proteolytically cleaved by a furin-like convertase (S1 cleavage) in the trans-golgi network before it reaches the plasma membrane to yield an active, ligand-accessible form. Cleavage results in a C-terminal fragment N(TM) and a N-terminal fragment N(EC). Following ligand binding, it is cleaved (S2 cleavage) by TNF-alpha converting enzyme (TACE) to yield a membrane-associated intermediate fragment called Notch extracellular truncation (NEXT). This fragment is then cleaved by presenilin-dependent gamma-secretase (S3 cleavage) to release the intracellular domain (NICD) from the membrane.

FOR RESEARCH USE ONLY

December 13, 2016