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NOTCH4 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21426b

Product Information

Application	WB, E
Primary Accession	Q99466
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52895
Calculated MW	209622

Additional Information

Gene ID	4855
Other Names	Neurogenic locus notch homolog protein 4, Notch 4, hNotch4, Notch 4 extracellular truncation, Notch 4 intracellular domain, NOTCH4, INT3
Target/Specificity	This NOTCH4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1819-1851 amino acids from the C-terminal region of human NOTCH4.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NOTCH4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NOTCH4 (HGNC:7884)
Synonyms	INT3
Function	Functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator

	complex with RBPJ/RBPSUH and activates genes of the enhancer of split locus. Affects the implementation of differentiation, proliferation and apoptotic programs. May regulate branching morphogenesis in the developing vascular system (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Highly expressed in the heart, moderately in the lung and placenta and at low levels in the liver, skeletal muscle, kidney, pancreas, spleen, lymph node, thymus, bone marrow and fetal liver. No expression was seen in adult brain or peripheral blood leukocytes

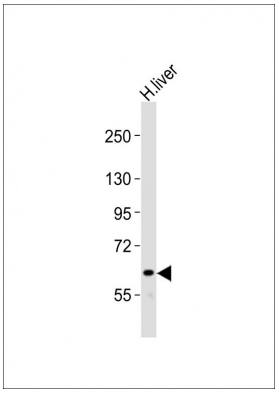
Background

Functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with RBPJ/RBPSUH and activates genes of the enhancer of split locus. Affects the implementation of differentiation, proliferation and apoptotic programs. May regulate branching morphogenesis in the developing vascular system (By similarity).

References

Sugaya K.,et al.Gene 189:235-244(1997).
Li L.,et al.Genomics 51:45-58(1998).
Mungall A.J.,et al.Nature 425:805-811(2003).
Miyagawa T.,et al.Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.
Gray G.E.,et al.Am. J. Pathol. 154:785-794(1999).

Images



Anti-NOTCH4 Antibody (C-term)at 1:2000 dilution + human liver lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 210 kDa Blocking/Dilution buffer: 5% NFDM/TBST.