

Rabbit NOTCH4 Polyclonal Antibody | anti-NOTCH4 antibody

NOTCH4 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197278	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Pig, Rabbit	Western Blot, Immunohistochemistry

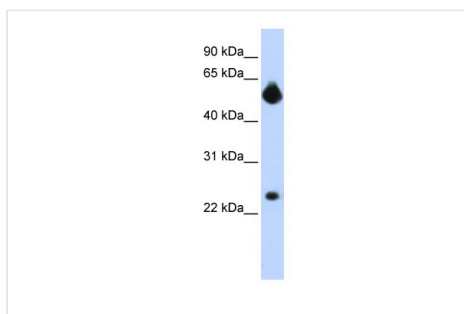
PRODUCT SYNONYMS

NOTCH4; Polyclonal Antibody; NOTCH4 antibody - middle region; anti-NOTCH4 antibody

PRODUCT SPECIFICATIONS

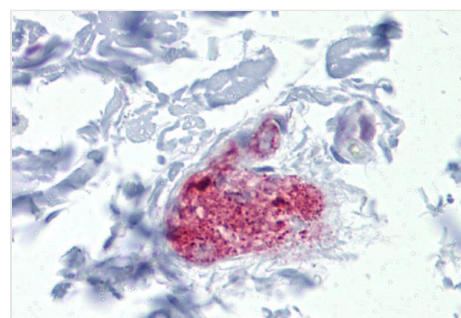
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Pig, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: KA LKPKAEVDED GVMCSGP EE GEEVGQAEET GPPSTCQLWS LSGGCGAL
Sequence Length	2003
Applicable Applications for anti-NOTCH4 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 92%; Dog: 77%; Guinea Pig: 79%; Horse: 92%; Human: 100%; Pig: 100%; Rabbit: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human NOTCH4
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-NOTCH4 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: HepG2 cell lysate



IHC (Immunohistochemistry)

Immunohistochemistry with Colon, submucosal plexus tissue at an antibody concentration of 5ug/ml using anti-NOTCH4 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-NOTCH4 antibody	This is a rabbit polyclonal antibody against NOTCH4. It was validated on Western Blot using a cell lysate as a positive control. Target Description: NOTCH4 is a member of the Notch family. Members of this Type 1 transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple, different domain types. Notch family members play a role in a variety of developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. NOTCH4 is cleaved in the trans-Golgi network, and presented on the cell surface as a heterodimer. NOTCH4 functions as a receptor for membrane bound ligands, and may play a role in vascular, renal and hepatic development. NOTCH4 gene may be associated with susceptibility to schizophrenia in a small portion of cases. This gene encodes a member of the Notch family. Members of this Type 1 transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple, different domain types. Notch family members play a role in a variety of developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. In Drosophilia, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signaling pathway that plays a key role in development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remain to be determined. This protein is cleaved in the trans-Golgi network, and presented on the cell surface as a heterodimer. This protein functions as a receptor for membrane bound ligands, and may play a role in vascular, renal and hepatic development. This gene may be associated with susceptibility to schizophrenia in a small portion of cases. An alternative splice variant has been described but its biological nature has not been determined. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-NOTCH4 antibody	Polyclonal; Transcription Factor; Signal Proteins; Transcription Regulation; Cardiovascular; Developmental Biology; Signal Transduction; Membrane & Traffic; Immunohistochemistry; Cell Structure; Transcription Factors; Cell Morphogenesis; Cell Differentiat

NCBI AND UNIPROT INFORMATION

NCBI GI #	55770876
NCBI GeneID	4855
NCBI Accession #	NP_004548
NCBI GenBank Nucleotide #	NM_004557
UniProt Accession #	Q99466
Molecular Weight	58kDa
NCBI Official Full Name	neurogenic locus notch homolog protein 4 preproprotein
NCBI Official Synonym Full Names	notch receptor 4
NCBI Official Symbol	NOTCH4
NCBI Official Synonym Symbols	INT3
NCBI Protein Information	neurogenic locus notch homolog protein 4
UniProt Protein Name	Neurogenic locus notch homolog protein 4
UniProt Gene Name	NOTCH4
UniProt Synonym Gene Names	INT3; Notch 4; hNotch4
UniProt Entry Name	NOTC4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

