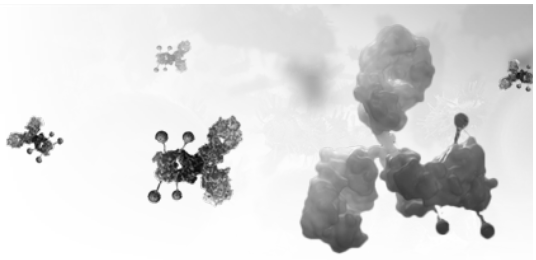

Human Notch1 blocking peptide (CDBP0306)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Notch-1 (activated) peptide (human and mouse)
Antigen Description	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 multiple roles during development. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	BL
Concentration	1 mg/ml
Size	50 µg
Buffer	Preservative: 0.02% Sodium Azide; Constituents: PBS
Preservative	0.02% Sodium Azide
Storage	Upon receipt - Keep as concentrated solution. Aliquot and store at -20℃ or below. Avoid freeze-thaw cycles.

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GENE INFORMATION

Gene Name	NOTCH1 notch 1 [Homo sapiens]
Official Symbol	Notch1
Synonyms	NOTCH1; notch 1; Notch (Drosophila) homolog 1 (translocation associated) , Notch homolog 1, translocation associated (Drosophila) , TAN1; neurogenic locus notch homolog protein 1; Notch homolog 1, translocation-associated; translocation-associated notch protein TAN-1; hN1; TAN1;
Entrez Gene ID	4851
mRNA Refseq	NM_017617
Protein Refseq	NP_060087
UniProt ID	P46531
Chromosome Location	9q34.3
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Dorso-ventral axis formation, organism-specific biosystem; Dorso-ventral axis formation, conserved biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem;
Function	calcium ion binding; chromatin DNA binding; core promoter binding; protein binding; receptor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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