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NOTCH4 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21426b

Specification

NOTCH4 Blocking Peptide (C-term) - Product Information

Primary Accession Q99466

NOTCH4 Blocking Peptide (C-term) - 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
The synthetic peptide sequence is selected from aa 1819-1831 of HUMAN NOTCH4

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NOTCH4 Blocking Peptide (C-term) - Protein Information

Name NOTCH4 (HGNC:7884)

Synonyms INT3

Function
Functions as a receptor for membrane-bound ligands Jagged1, Jagged2

NOTCH4 Blocking Peptide (C-term) - 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).

NOTCH4 Blocking Peptide (C-term) - 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).

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

NOTCH4 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides