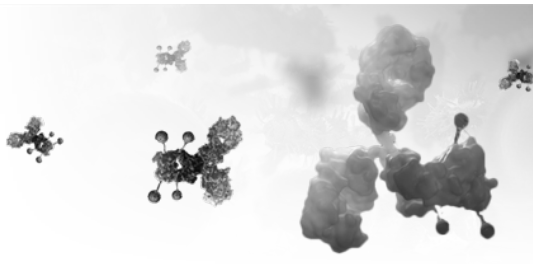

NCSTN blocking peptide (CDBP5818)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a type I transmembrane glycoprotein that is an integral component of the multimeric gamma-secretase complex. The encoded protein cleaves integral membrane proteins, including Notch receptors and beta-amyloid precursor protein, and may be a stabilizing cofactor required for gamma-secretase complex assembly. The cleavage of beta-amyloid precursor protein yields amyloid beta peptide, the main component of the neuritic plaque and the hallmark lesion in the brains of patients with Alzheimer's disease; however, the nature of the encoded protein's role in Alzheimer's disease is not known for certain. Mutations in this gene are associated with familial acne inversa. A pseudogene of this gene is present on chromosome 21. Alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Feb 2014]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	NCSTN nicastrin [Homo sapiens (human)]
Official Symbol	NCSTN

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Synonyms	NCSTN; nicastrin; ATAG1874; anterior pharynx-defective 2
Entrez Gene ID	23385
mRNA Refseq	NM_001290184
Protein Refseq	NP_001277113
UniProt ID	Q92542
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus; Alzheimer's disease; Alzheimers Disease; Axon guidance; Cell death signalling via NRAGE; Constitutive Signaling by NOTCH1 HD+PEST Domain Mutants; Constitutive Signaling by NOTCH1 PEST Domain Mutants; Degradation of the extracellular matrix
Function	endopeptidase activity; protein binding

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