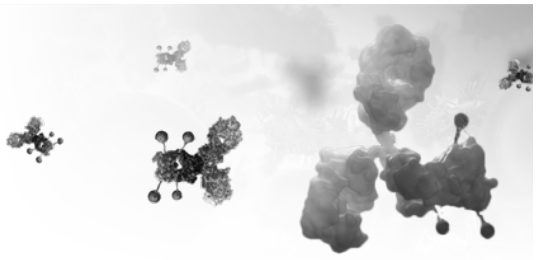

NCSTN blocking peptide (DAG-P1819)

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 Alzheimers disease; however, the nature of the encoded proteins role in Alzheimers 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]
Specificity	Widely expressed.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the nicastrin family.
Format	Liquid
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	NCSTN nicastrin [Homo sapiens (human)]

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Official Symbol	NCSTN
Synonyms	NCSTN; nicastrin; ATAG1874; anterior pharynx-defective 2;
Entrez Gene ID	23385
mRNA Refseq	NM_001290184.1
Protein Refseq	NP_001277113.1
UniProt ID	Q92542
Chromosome Location	1q22-q23
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Alzheimers Disease, organism-specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Constitutive Signaling by NOTCH1 HD+PEST Domain Mutants, organism-specific biosystem; Constitutive Signaling by NOTCH1 PEST Domain Mutants, organism-specific biosystem; Degradation of the extracellular mat
Function	endopeptidase activity; protein binding;

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