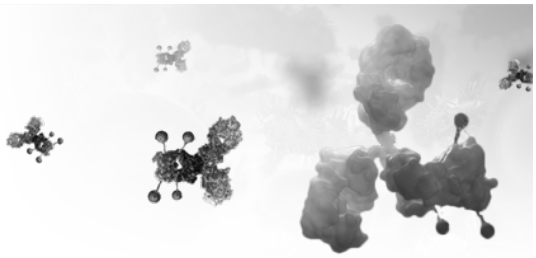

Human APH1A blocking peptide (CDBP0425)

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

PRODUCT INFORMATION

Product Overview	Blocking peptide for anti-APH1 antibody
Antigen Description	This gene encodes a component of the gamma secretase complex that cleaves integral membrane proteins such as Notch receptors and beta-amyloid precursor protein. The gamma secretase complex contains this gene product, or the paralogous anterior pharynx defective 1 homolog B (APH1B), along with the presenilin, nicastrin, and presenilin enhancer-2 proteins. The precise function of this seven-transmembrane-domain protein is unknown though it is suspected of facilitating the association of nicastrin and presenilin in the gamma secretase complex as well as interacting with substrates of the gamma secretase complex prior to their proteolytic processing. Polymorphisms in a promoter region of this gene have been associated with an increased risk for developing sporadic Alzheimer's disease. Alternative splicing results in multiple protein-coding and non-protein-coding transcript variants. [provided by RefSeq, Aug 2011]
Species	Human
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	200 µg/ml
Size	50 µg
Buffer	PBS containing 0.02% sodium azide
Preservative	0.02% Sodium Azide
Storage	Store at -20℃, stable for one year.

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GENE INFORMATION

Gene Name	APH1A APH1A gamma secretase subunit [Homo sapiens (human)]
Official Symbol	APH1A
Synonyms	APH1A; APH1A gamma secretase subunit; APH-1; APH-1A; CGI-78; 6530402N02Rik; gamma-secretase subunit APH-1A; aph-1alpha; presenilin-stabilization factor; anterior pharynx defective 1 homolog A;
Entrez Gene ID	51107
mRNA Refseq	NM_001077628.2
Protein Refseq	NP_001071096.1
UniProt ID	Q96BI3
Chromosome Location	1p36.13-q31.3
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; Delta-Notch Signaling Pathway, organ
Function	endopeptidase activity; protein binding;

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