



Human APH1A blocking peptide (CDBP0427)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-APH1A 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.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name [APH1A anterior pharynx defective 1 homolog A \(C. elegans\) \[Homo sapiens \]](#)

Official Symbol	APH1A
Synonyms	APH1A; anterior pharynx defective 1 homolog A (C. elegans); gamma-secretase subunit APH-1A; APH 1A; CGI 78; aph-1alpha; presenilin-stabilization factor; APH-1; APH-1A; CGI-78; 6530402N02Rik;
Entrez Gene ID	51107
mRNA Refseq	NM_001077628
Protein Refseq	NP_001071096
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; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; NRIF signals cell death from the nucleus, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem;
Function	aspartic-type endopeptidase activity; endopeptidase activity; peptidase activity; protein binding;