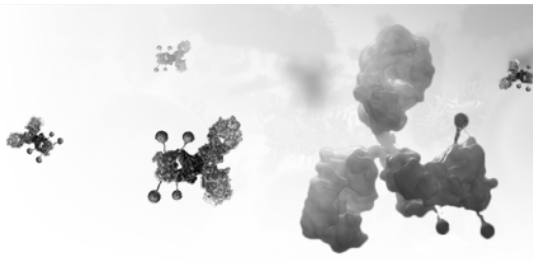

APP blocking peptide (CDBP5092)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
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	APP amyloid beta (A4) precursor protein [Homo sapiens (human)]
Official Symbol	APP
Synonyms	APP; amyloid beta (A4) precursor protein; AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; CTFgamma; amyloid beta A4 protein; preA4; protease nexin-II; peptidase nexin-II; beta-amyloid

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	peptide; alzheimer disease amyloid protein; cerebral vascular amyloid peptide
Entrez Gene ID	351
mRNA Refseq	NM_000484
Protein Refseq	NP_000475
UniProt ID	P05067
Pathway	Activated TLR4 signalling; Advanced glycosylation endproduct receptor signaling; Alzheimer's disease; Alzheimers Disease; Amyloids; Caspase cascade in apoptosis; Class A/1 (Rhodopsin-like receptors); Cytosolic sensors of pathogen-associated DNA
Function	DNA binding; PTB domain binding; acetylcholine receptor binding; enzyme binding; growth factor receptor binding; heparin binding; identical protein binding; peptidase activator activity; protein binding; receptor binding; serine-type endopeptidase inhibitor activity; transition metal ion binding

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