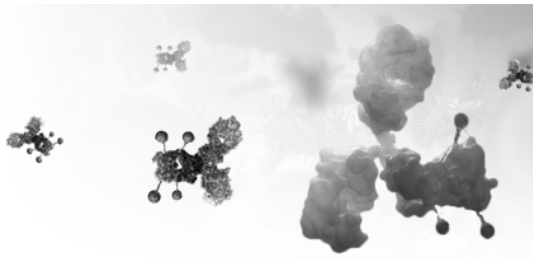

Human TPP1 blocking peptide (CDBP0828)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-CLN2/TPP1 antibody
Antigen Description	This gene encodes a member of the sedolisin family of serine proteases. The protease functions in the lysosome to cleave N-terminal tripeptides from substrates, and has weaker endopeptidase activity. It is synthesized as a catalytically-inactive enzyme which is activated and auto-proteolyzed upon acidification. Mutations in this gene result in late-infantile neuronal ceroid lipofuscinosis, which is associated with the failure to degrade specific neuropeptides and a subunit of ATP synthase in the lysosome. [provided by RefSeq, Jul 2008]
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	TPP1 tripeptidyl peptidase I [Homo sapiens]
Official Symbol	TPP1
Synonyms	TPP1; tripeptidyl peptidase I; ceroid lipofuscinosis, neuronal 2, late infantile (Jansky Bielschowsky disease) , CLN2; tripeptidyl-peptidase 1; TPP I; tripeptidyl aminopeptidase;

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	growth-inhibiting protein 1; cell growth-inhibiting gene 1 protein; lysosomal pepstatin insensitive protease; CLN2; GIG1; LPIC; TPP-1; MGC21297;
Entrez Gene ID	1200
mRNA Refseq	NM_000391
Protein Refseq	NP_000382
UniProt ID	O14773
Chromosome Location	11p15.4
Pathway	Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Unfolded Protein Response, organism-specific biosystem;
Function	endopeptidase activity; endopeptidase activity; metal ion binding; peptidase activity; peptide binding; protein binding; serine-type endopeptidase activity; serine-type peptidase activity; tripeptidyl-peptidase activity; tripeptidyl-peptidase activity;

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