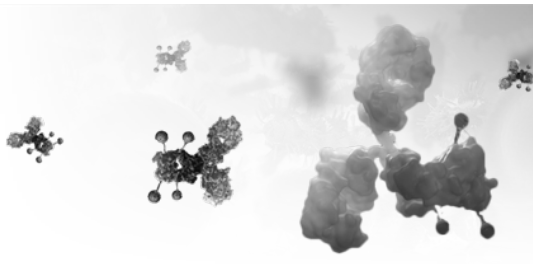

STAU1 blocking peptide (CDBP6195)

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

PRODUCT INFORMATION

Antigen Description	Staufen is a member of the family of double-stranded RNA (dsRNA)-binding proteins involved in the transport and/or localization of mRNAs to different subcellular compartments and/or organelles. These proteins are characterized by the presence of multiple dsRNA-binding domains which are required to bind RNAs having double-stranded secondary structures. The human homologue of staufen encoded by STAU, in addition contains a microtubule- binding domain similar to that of microtubule-associated protein 1B, and binds tubulin. The STAU gene product has been shown to be present in the cytoplasm in association with the rough endoplasmic reticulum (RER), implicating this protein in the transport of mRNA via the microtubule network to the RER, the site of translation. Five transcript variants resulting from alternative splicing of STAU gene and encoding three isoforms have been described. Three of these variants encode the same isoform, however, differ in their 5'UTR. [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	STAU1 staufen double-stranded RNA binding protein 1 [Homo sapiens (human)]

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Official Symbol	STAU1
Synonyms	STAU1; staufen double-stranded RNA binding protein 1; STAU; PPP1R150; double-stranded RNA-binding protein Staufen homolog 1; staufen, RNA binding protein, homolog 1; protein phosphatase 1, regulatory subunit 150
Entrez Gene ID	6780
mRNA Refseq	NM_001037328
Protein Refseq	NP_001032405
UniProt ID	O95793
Function	double-stranded RNA binding; poly(A) RNA binding; protein binding; protein phosphatase 1 binding

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