

STAU1 Antibody

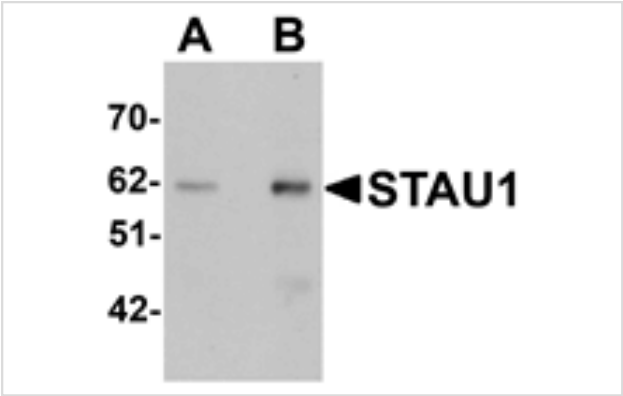
Catalog No: #25197

Package Size: #25197 100ul

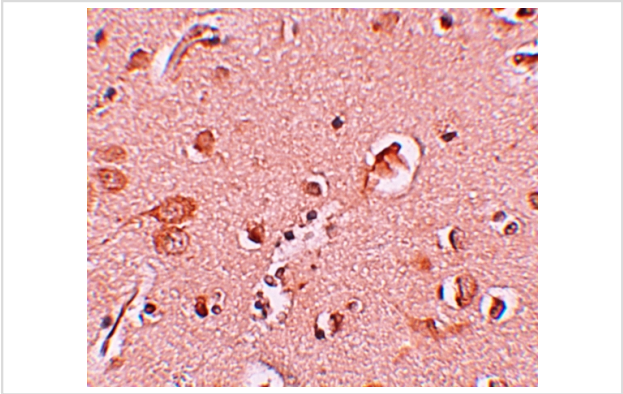
Description

Product Name	STAU1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the carboxy terminus of human STAU1.
Conjugates	Unconjugated
Target Name	STAU1
Other Names	RNA-binding protein Staufen homolog 1, STAU
Accession No.	Swiss-Prot:O95793Gene ID:6780
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of STAU1 in rat brain tissue lysate with STAU1 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of STAU1 in human brain tissue with STAU1 antibody at 10 ug/mL.

Background

STAU1 is a member of a 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 STAU1 also contains a microtubule-binding domain similar to that of microtubule-associated protein 1B, and binds tubulin. STAU1 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. STAU1 is also known to interact with influenza ribonucleoproteins NS1, NP, and PA and is required for efficient viral replication.

Published Papers

Xiaobin Chen;Yuanyuan Li;Ling Huang;Chong Qiao et al., Expression and Significance of Staufen1 in the Placenta in Severe Preeclampsia, , (2019)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.