

Anti-STAU1 Antibody

Catalog Number: A04259

About STAU1

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.

Overview

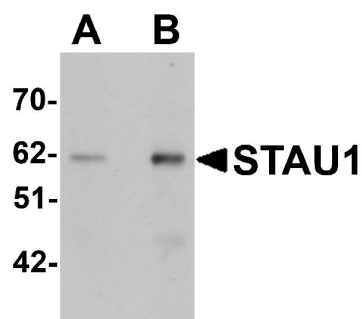
Product Name	Anti-STAU1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-STAU1 Antibody (Catalog # A04259). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal Clone: SK7
Formulation	STAU1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	STAU1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O95793

Technical Details

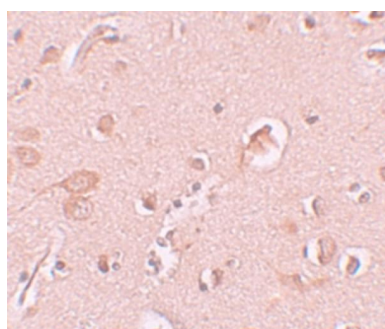
Immunogen	STAU1 antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human STAU1. The immunogen is located within the last 50 amino acids of STAU1.
Predicted Reactive Species	Rat
Cross Reactivity	TSPY1L antibody is human and mouse reactive. At least three isoforms of TSPY1 are known to exist; this antibody will detect only TSPY1L.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	STAU1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>STAU1 antibody can be used for detection of STAU1 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL.</p> <p>Antibody validated: Western Blot in rat samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.</p>

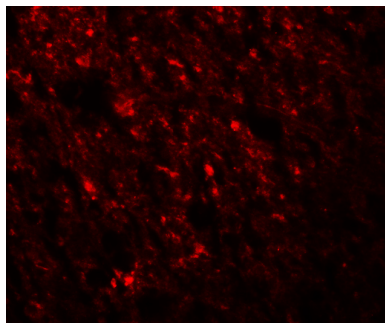
Anti-STAU1 Antibody (A04259) Images



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.



Immunofluorescence of STAU1 in Human Brain cells with STAU1 antibody at 20 ug/mL.

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