Datasheet for ABIN2854568

anti-STAU1/Staufen antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	STAU1/Staufen (STAU1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAU1/Staufen antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human Staufen. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Rhesus Monkey
Cross-Reactivity (Details):	Rhesus Monkey (100 %)
Characteristics:	Rabbit Polyclonal antibody to Staufen (staufen, RNA binding protein, homolog 1 (Drosophila)) Staufen antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	STAU1/Staufen (STAU1)
Alternative Name:	Staufen (STAU1 Products)
Background:	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. Cellular Localization: Rough endoplasmic reticulum
Molecular Weight:	63 kDa
Gene ID:	6780
Pathways:	Asymmetric Protein Localization

Application Details

Application Notes:	Suggested dilution Reference Immunoprecipitation 1:500-1:3000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceImmunoprecipitation1:500-1:3000* Western blot1:500-1:3000*
Comment:	Positive Control: 293T , A431 , H1299 , HepG2 , Molt-4 , Raji , Neuro2A , 293 (input) , Stau1-IP (GTX106566) , Post-IP lysate from control rabbit IgG-IP , Post-IP lysate from Stau1-IP
Restrictions:	For Research Use only

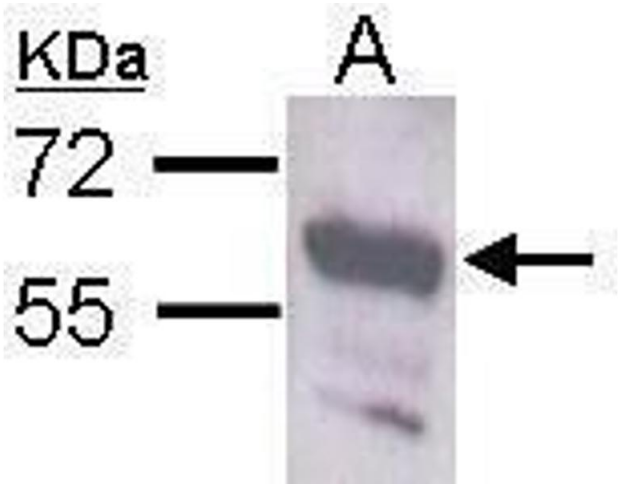
Handling

Format:	Liquid
Concentration:	0.73 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.

Handling

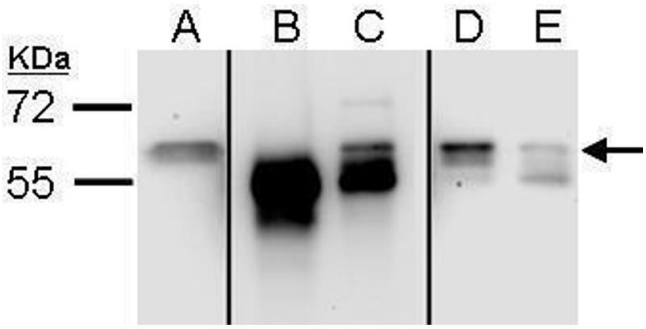
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



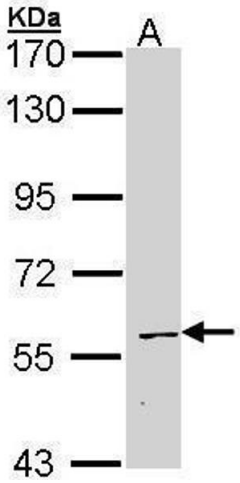
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: Neuro2A antibody diluted at 1:1000



Immunoprecipitation

Image 2. IP Image Sample (ug of whole cell lysate) A: 293 (input) B: control rabbit IgG-IP C: Stau1-IP , D: Post-IP lysate from control rabbit IgG-IP E:Post-IP lysate from Stau1-IP 7.5% SDS PAGE antibody diluted at 1:3000 Image courtesy of Dr. Samantha Whitman (Laboratory of Dr. Donna Zhang, U of Arizona Pharmacology & Toxicology Department).



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: Hep G2 , 7.5% SDS PAGE antibody diluted at 1:5000