



STAU2 rabbit pAb

Catalog No	YP-Ab-08072
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	STAU2
Immunogen	Synthesized peptide derived from human STAU2 AA range: 75-125
Specificity	This antibody detects endogenous levels of STAU2 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.187% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Double-stranded RNA-binding protein Staufen homolog 2; STAU2
Observed Band	65kD
Calculated Molecular Weight	65kD
Cell Pathway	Cytoplasm. Nucleus. Nucleus, nucleolus. Endoplasmic reticulum. Shuttles between the nucleolus, nucleus and the cytoplasm. Nuclear export of isoform 1 is independent of XPO1/CRM1 and requires the exportin XPO5. Nuclear export of isoform 2 and isoform 3 can occur by both XPO1/CRM1-dependent and XPO1/CRM1-independent pathways. Found in large cytoplasmic ribonucleoprotein (RNP) granules which are present in the actin rich regions of myelinating processes and associated with microtubules, polysomes and the endoplasmic reticulum. Also recruited to stress granules (SGs) upon inhibition of translation or oxidative stress. These structures are thought to harbor housekeeping mRNAs when translation is aborted (By similarity).
Tissue Specificity	Amygdala, Brain, Cerebellum, Epithelium, Ovary, PCR rescued clones, Placenta, Retina, Teratocarcinoma, Thalamus, Thymus, Trachea, Urinary bladder carcinoma,
Function	domain: The DRBM 3 domain appears to be the major RNA-binding determinant. This domain also mediates interaction with XPO5 and is required for XPO1/CRM1-independent nuclear export., function: RNA-binding protein required for



the microtubule-dependent transport of neuronal RNA from the cell body to the dendrite. As protein synthesis occurs within the dendrite, the localization of specific mRNAs to dendrites may be a prerequisite for neurite outgrowth and plasticity at sites distant from the cell body.,similarity:Contains 4 DRBM (double-stranded RNA-binding) domains.,subcellular location:Shuttles between the nucleolus, nucleus and the cytoplasm. Nuclear export of isoform 1 is independent of XPO1/CRM1 and requires the exportin XPO5. Nuclear export of isoform 2 and isoform 3 can occur by both XPO1/CRM1-dependent and XPO1/CRM1-independent pathways. Found in large cytoplasmic ribonucleoprotein (R

Background

Staufen homolog 2 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. Staufen homolog 2 shares 48.5% and 59.9% similarity with drosophila and human staufen, respectively. The exact function of Staufen homolog 2 is not known, but since it contains 3 copies of conserved dsRNA binding domain, it could be involved in double-stranded RNA binding events. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2009],

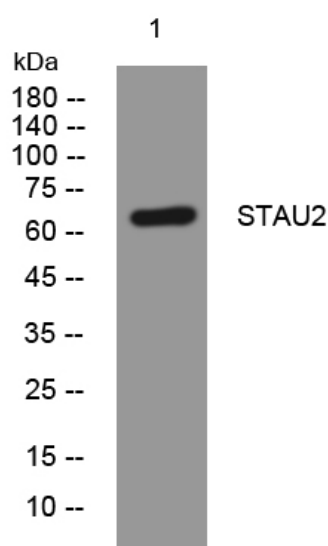
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from Jarkat cells, primary antibody was diluted at 1:1000, 4° over night