STAU1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	STAU1, Monoclonal Antibody
Full Product Name	STAU1 (Staufen, RNA Binding Protein, Homolog 1 (Drosophila), FLJ25010, STAU) (MaxLight 650)
Product Gene Name	anti-STAU1 antibody
Product Synonym Names	Staufen; RNA Binding Protein; Homolog 1 (Drosophila); FLJ25010; STAU
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	4D6
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified
Specificity	Recognizes STAU1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	55,635 Da
OMIM	601716
3D Structure	ModBase 3D Structure for Q5JW29
Immunogen	STAU1 (NP_004593, 401aa-496aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PHGPLTRPSEQLDYLSRVQGFQVEYKDFPKNNKNEFVSLINCSSQPPLISHGIGKDVESCHDMAALNILKLLSELDQQSTEMPRTGNGPMSVCGRC
Conjugate	MaxLight650
Product Categories/Family for anti-STAU1 antibody	Antibodies; RNA Binding Proteins
Applications Tested/Suitable for anti-STAU1 antibody	FLISA, Immunofluorescence (IF)
Application Notes for anti-STAU1 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-STAU1 antibody	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]
Other Notes	Small volumes of anti-STAU1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for STAU1 purchase	MBS6230111 is an antibody targeting STAU1. Also known as STAU1 (Staufen, RNA Binding Protein, Homolog 1 (Drosophila), FLJ25010, STAU) (MaxLight 650). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STAU1. It may not necessarily be applicable to this product.

NCBI GI #	82659083
NCBI GeneID	6780
NCBI Accession #	NP_004593
UniProt Primary Accession #	Q5JW29
UniProt Secondary Accession #	Q5JW29; Q6GTM4; Q9H5B4; Q9H5B5; Q9Y3Q2; A8K9Z4; E1P5Y1; E1P608
UniProt Related Accession #	O95793
GenBank Nucleotide #	NM_004602
NCBI Official Full Name	double-stranded RNA-binding protein Staufen homolog 1 isoform a
NCBI Official Synonym Full Names	staufen double-stranded RNA binding protein 1
NCBI Official Symbol	STAU1
NCBI Official Synonym Symbols	STAU; PPP1R150
UniProt Protein Name	Double-stranded RNA-binding protein Staufen homolog 1
Protein Family	Double-stranded RNA-binding protein
UniProt Gene Name	STAU1
UniProt Synonym Gene Names	STAU
UniProt Entry Name	STAU1_HUMAN
NCBI Protein Information	double-stranded RNA-binding protein Staufen homolog 1; protein phosphatase 1, regulatory subunit 150; staufen, RNA binding protein, homolog 1
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