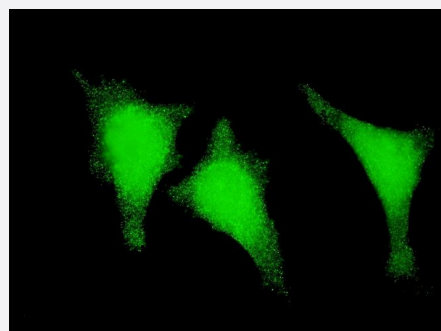


STAU1 monoclonal antibody (M04), clone 4D6

Catalog # H00006780-M04

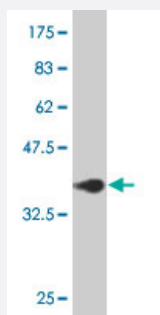
Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to STAU1 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.67 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant STAU1.
Immunogen	STAU1 (NP_004593, 401 a.a. ~ 496 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PHGPLTRPSEQLDYLSRVQGFQVEYKDFPKNNKNEFVSLINCSSQPPLISHGIGKDVESCHDMAA LNILKLLSELDQQSTEMPRTGNGPMSVCGRC
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.67 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to STAU1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — STAU1

Entrez GeneID

[6780](#)

GeneBank Accession#

[NM_004602](#)

Protein Accession#

[NP_004593](#)

Gene Name

STAU1

Gene Alias

FLJ25010, STAU

Gene Description

stau1, RNA binding protein, homolog 1 (Drosophila)

Omim ID

[601716](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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 stau1 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 Designations

OTTHUMP00000031233|OTTHUMP00000031234|OTTHUMP00000031235|OTTHUMP00000031236|OTTHUMP00000031238|stau1