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STAU2 Antibody (monoclonal) (M10)

Mouse monoclonal antibody raised against a partial recombinant STAU2.
Catalog # AT4071a

Specification

STAU2 Antibody (monoclonal) (M10) - Product Information

Application	**WB, E**
Primary Accession	Q9NUL3
Other Accession	NM_014393
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**62608**

STAU2 Antibody (monoclonal) (M10) - Additional Information

Gene ID 27067

Other Names
Double-stranded RNA-binding protein Staufen homolog 2, STAU2

Target/Specificity
STAU2 (NP_055208, 2 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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

Precautions
STAU2 Antibody (monoclonal) (M10) is for research use only and not for use in diagnostic or therapeutic procedures.

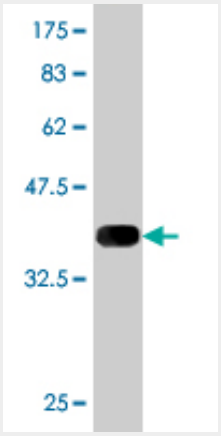
STAU2 Antibody (monoclonal) (M10) - Protocols

Provided below are standard protocols that you may find useful for product applications.

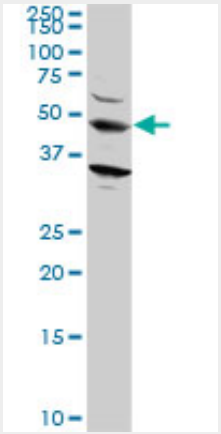
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

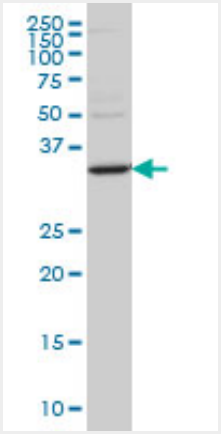
STAU2 Antibody (monoclonal) (M10) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.53 KDa) .



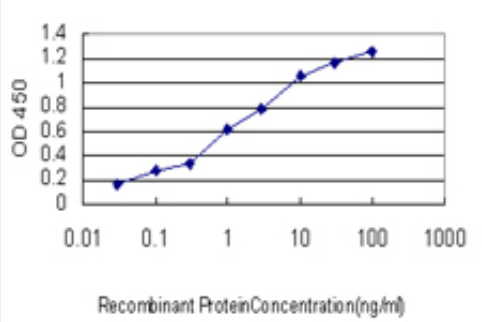
STAU2 monoclonal antibody (M10), clone 2C8. Western Blot analysis of STAU2 expression in HL-60 ((Cat # AT4071a)



STAU2 monoclonal antibody (M10), clone 2C8 Western Blot analysis of STAU2 expression in

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SW-13 ((Cat # AT4071a)



Detection limit for recombinant GST tagged STAU2 is approximately 0.1ng/ml as a capture antibody.

STAU2 Antibody (monoclonal) (M10) - 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.

STAU2 Antibody (monoclonal) (M10) - References

A genome-wide approach identifies distinct but overlapping subsets of cellular mRNAs associated with Staufen1- and Staufen2-containing ribonucleoprotein complexes. Furic L, et al. RNA, 2008 Feb. PMID 18094122.A probability-based approach for high-throughput protein phosphorylation analysis and site localization. Beausoleil SA, et al. Nat Biotechnol, 2006 Oct. PMID 16964243.A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Identification of Staufen in the human immunodeficiency virus type 1 Gag ribonucleoprotein complex and a role in generating infectious viral particles. Chatel-Chaix L, et al. Mol Cell Biol, 2004 Apr. PMID 15024055.