# STAU2 Antibody – Mouse Monoclonal

## PRODUCT OVERVIEW

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| **Product Name** | STAU2, Monoclonal Antibody |
| **Full Product Name** | STAU2 (Staufen, RNA Binding Protein, Homolog 2 (Drosophila), 39K2, 39K3, DKFZp781K0371, MGC119606) (MaxLight 405) |
| **Product Gene Name** | anti-STAU2 antibody |
| **Product Synonym Names** | Staufen; RNA Binding Protein; Homolog 2 (Drosophila); 39K2; 39K3; DKFZp781K0371; MGC119606 |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1,k |
| **Clone Number** | 3.0e+9 |
| **Host** | Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405. |
| **Purity/Purification** | Purified |
| **Specificity** | Recognizes STAU2. |
| **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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **OMIM** | 605920 |
| **3D Structure** | ModBase 3D Structure for Q9NUL3 |
| **Immunogen** | STAU2 (NP_055208, 2aa-90aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | LQINQMFSVQLSLGEQTWESEGSSIKKAQQAVANKALTESTLPKPVQKPPKSNVNNNPGSITPTVELNGLAMKRGEPAIYRPLDPKPFP |
| **Conjugate** | MaxLight405 |
| **Product Categories/Family for anti-STAU2 antibody** | Antibodies; RNA Binding Proteins |
| **Applications Tested/Suitable for anti-STAU2 antibody** | Western Blot (WB) |
| **Application Notes for anti-STAU2 antibody** | Applications are based on unconjugated antibody. |
| **Related Product Information for anti-STAU2 antibody** | 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] |
| **Other Notes** | Small volumes of anti-STAU2 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. |

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| **Searchable Terms for STAU2 purchase** | MBS6198088 is an antibody targeting STAU2. Also known as STAU2 (Staufen, RNA Binding Protein, Homolog 2 (Drosophila), 39K2, 39K3, DKFZp781K0371, MGC119606) (MaxLight 405). Host: Mouse. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STAU2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 256418993 |
| **NCBI Accession #** | NP_055208 |
| **UniProt Primary Accession #** | Q9NUL3 |
| **GenBank Nucleotide #** | NP_055208.2 |
| **NCBI Official Full Name** | double-stranded RNA-binding protein Staufen homolog 2 isoform e |
| **UniProt Protein Name** | Double-stranded RNA-binding protein Staufen homolog 2 |
| **Protein Family** | Double-stranded RNA-binding protein |
| **UniProt Gene Name** | STAU2 |
| **UniProt Entry Name** | STAU2_HUMAN |
| **UniProt Comments for STAU2** | STAU2: 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. 5 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Nuclear export; RNA-binding; Nucleolus<br><br>Chromosomal Location of Human Ortholog: 8q21.11<br><br>Cellular Component: microtubule; membrane; endoplasmic reticulum; nucleolus<br><br>Molecular Function: protein binding; double-stranded RNA binding<br><br>Biological Process: transport |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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