# Mouse EIF2S2 Monoclonal Antibody | anti-EIF2S2 antibody

EIF2S2 (EIF2B, Eukaryotic Translation Initiation Factor 2 Subunit 2, Eukaryotic Translation Initiation Factor 2 Subunit beta, DKFZp686L18198, EIF2Beta, MGC8508) (Biotin)

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA24790** | **Mouse** | **Human, Mouse, Rat** | **ELISA, Immunohistochemistry, Western Blot** |

## PRODUCT SYNONYMS

EIF2S2; Monoclonal Antibody; EIF2S2 (EIF2B; Eukaryotic Translation Initiation Factor 2 Subunit 2; Eukaryotic Translation Initiation Factor 2 Subunit beta; DKFZp686L18198; EIF2Beta; MGC8508) (Biotin); anti-EIF2S2 antibody

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | Mouse |
| **Reactivity** | Human, Mouse, Rat |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1,k |
| **Clone Number** | 2F3 |
| **Specificity** | Recognizes human EIF2S2. Species Crossreactivity: mouse and rat. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin. |
| **Applicable Applications for anti-EIF2S2 antibody** | ELISA, IHC (Immunohistochemistry), WB (Western Blot) |
| **Application Notes** | IHC-P: 3ug/ml<br>Applications are based on unconjugated antibody. |
| **Immunogen** | Partial recombinant corresponding to aa1-101 from human EIF2S2 (NP_003899) with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | MSGDEMIFDPTMSKKKKKKKKPFMLDEEGDTQTEETQPSETKEVEPEPTEDKDLEADEEDTRKKDASDDLDDLNFFNQKKKKKKTKKIFDIDEAEEGVKD |
| **Conjugate** | Biotin |
| **Preparation and Storage** | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. |

## IMAGES

**WB (Western Blot)**
EIF2S2 monoclonal antibody. Western Blot analysis of EIF2S2 expression in HeLa.

**WB (Western Blot)**
EIF2S2 monoclonal antibody. Western Blot analysis of EIF2S2 expression in PC-12.

**Application Data**
Detection limit for recombinant GST tagged EIF2S2 is 0.3ng/ml as a capture antibody.

**IHC (Immunohistochemistry)**
Immunoperoxidase of monoclonal antibody to EIF2S2 on formalin-fixed paraffin-embedded human pancreatic cancer. [antibody concentration 3ug/ml].

**WB (Western Blot)**
Western Blot analysis of EIF2S2 expression in transfected 293T cell line by EIF2S2 monoclonal antibody. Lane 1: EIF2S2 transfected lysate (38.4kD). Lane 2: Non-transfected lysate.

**WB (Western Blot)**
EIF2S2 monoclonal antibody. Western Blot analysis of EIF2S2 expression in NIH/3T3.

## ADDITIONAL INFORMATION

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|---|---|
| **Product Categories/Family for anti-EIF2S2 antibody** | Antibodies; Transcription Factors |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 29826335 |
| **NCBI GeneID** | 8894 |
| **NCBI Accession #** | NP_003899.2 |
| **NCBI GenBank Nucleotide #** | NM_003908 |
| **UniProt Accession #** | P20042; Q9BVU0; Q9UJE4 |
| **Molecular Weight** | 38,388 Da |
| **NCBI Official Full Name** | eukaryotic translation initiation factor 2 subunit 2 |
| **NCBI Official Synonym Full Names** | eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa |
| **NCBI Official Symbol** | EIF2S2 |
| **NCBI Official Synonym Symbols** | EIF2; EIF2B; PPP1R67; EIF2beta; eIF-2-beta |
| **NCBI Protein Information** | eukaryotic translation initiation factor 2 subunit 2; protein phosphatase 1, regulatory subunit 67; eukaryotic translation initiation factor 2 subunit beta |
| **UniProt Protein Name** | Eukaryotic translation initiation factor 2 subunit 2 |
| **UniProt Gene Name** | **EIF2S2** |
| **UniProt Synonym Gene Names** | EIF2B; eIF-2-beta |
| **UniProt Entry Name** | IF2B_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/eif2s2-antibody-clone-2f3-immunohistochemistry-western-blot-elisa/24790