

## Mouse anti-Human EIF2B3 Monoclonal Antibody | anti-EIF2B3 antibody

Anti-EIF2B3 Antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                       |
|-----------|-------|------------|--------------------------------------------------------------------|
| AAA266115 | Mouse | Human      | Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

EIF2B3; Monoclonal Antibody; Anti-EIF2B3 Antibody; anti-EIF2B3 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                       |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                 |
| Reactivity                                       | Human                                                                                                                                 |
| Clonality                                        | Monoclonal                                                                                                                            |
| Isotype                                          | Mouse IgG1 kappa                                                                                                                      |
| Specificity                                      | Recognizes endogenous levels of EIF2B3 protein.                                                                                       |
| Purity/Purification                              | This antibody is purified through a protein G column.                                                                                 |
| Form/Format                                      | Mouse IgG1 kappa. Liquid in PBS, pH7.3, 30% glycerol, and 0.01% sodium azide.                                                         |
| Applicable Applications for anti-EIF2B3 antibody | FCM/FACS (Flow Cytometry), IC (Immunochemistry), IF (Immunofluorescence), WB (Western Blot)                                           |
| Immunogen                                        | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EIF2B3. The exact sequence is proprietary. |
| Preparation and Storage                          | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                        |

### IMAGES



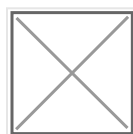
#### FCM/FACS (Flow Cytometry)

Flow cytometric analysis of U2OS cells using Anti-EIF2B3 Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Mouse IgG (H&L) - AF488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.



#### IF (Immunofluorescence)

Immunofluorescent analysis of EIF2B3 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



#### WB (Western Blot)

Western blot analysis of EIF2B3 expression in HL60 (A), MCF7 (B), U2OS (C), K562 (D) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 55 kD)

ADDITIONAL INFORMATION

|                                                      |                                     |
|------------------------------------------------------|-------------------------------------|
| Related Product Information for anti-EIF2B3 antibody | Mouse monoclonal antibody to EIF2B3 |
| Product Categories/Family for anti-EIF2B3 antibody   | <a href="#">Primary Antibodies</a>  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">262205273</a>                                                                                                                                                                             |
| NCBI GeneID                      | <a href="#">8891</a>                                                                                                                                                                                  |
| NCBI Accession #                 | <a href="#">NP_001160060.1</a>                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001166588.2</a>                                                                                                                                                                        |
| UniProt Accession #              | <a href="#">Q9NR50</a> ; <a href="#">Q5QP89</a> ; <a href="#">Q5QP90</a> ; <a href="#">Q8NDB5</a> ; <a href="#">Q8WV57</a> ; <a href="#">Q9H850</a> ; <a href="#">B2RBH8</a> ; <a href="#">D3DPZ2</a> |
| Molecular Weight                 | 50,240 Da                                                                                                                                                                                             |
| NCBI Official Full Name          | translation initiation factor eIF-2B subunit gamma isoform 2                                                                                                                                          |
| NCBI Official Synonym Full Names | eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa                                                                                                                                   |
| NCBI Official Symbol             | EIF2B3                                                                                                                                                                                                |
| NCBI Official Synonym Symbols    | EIF-2B; EIF2Bgamma                                                                                                                                                                                    |
| NCBI Protein Information         | translation initiation factor eIF-2B subunit gamma; eIF-2B GDP-GTP exchange factor subunit gamma                                                                                                      |
| UniProt Protein Name             | Translation initiation factor eIF-2B subunit gamma                                                                                                                                                    |
| UniProt Gene Name                | <b>EIF2B3</b>                                                                                                                                                                                         |
| UniProt Entry Name               | EI2BG_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/eif2b3-antibody-flow-cytometry-immunochemistry-immunofluorescence-western-blot-elisa/266115>