

## Mouse EIF4E2 Monoclonal Antibody | anti-EIF4E2 antibody

EIF4E2 antibody

|                               |                      |                                                                                                                 |
|-------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA106249</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

EIF4E2; Monoclonal Antibody; EIF4E2 antibody; Monoclonal EIF4E2; Anti-EIF4E2; Eukaryotic Translation Initiation Factor 4E Family Member 2; EIF4E2 400; EIF4E2-400; anti-EIF4E2 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                                                                                                                                     |
| Clonality                                        | Monoclonal                                                                                                                                                                                                                                                                                |
| Isotype                                          | IgG1                                                                                                                                                                                                                                                                                      |
| Clone Number                                     | 1F11                                                                                                                                                                                                                                                                                      |
| Purity/Purification                              | EIF4E2 antibody was purified by affinity chromatography.                                                                                                                                                                                                                                  |
| Form/Format                                      | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                                                                                                                                                                   |
| Concentration                                    | 500 ug-1 mg/ml (varies by lot)                                                                                                                                                                                                                                                            |
| Sequence Length                                  | 245                                                                                                                                                                                                                                                                                       |
| Applicable Applications for anti-EIF4E2 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                         |
| Biological Significance                          | EIF4E2 belongs to the eukaryotic initiation factor 4E family. It recognises and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation of protein synthesis and facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures. |
| Cross-Reactivity                                 | Human                                                                                                                                                                                                                                                                                     |
| Immunogen                                        | EIF4E2 antibody was raised in mouse using a full length recombinant protein of human EIF4E2 (NP_004837) produced in HEK293T cells, as the immunogen.                                                                                                                                      |
| Preparation and Storage                          | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                   |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant EIF4E2 protein using EIF4E2 antibody



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of EIF4E2 protein in paraffin embedded Human prostate tissue using EIF4E2 antibody



**WB (Western Blot)**

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant EIF4E2 protein (Right) or empty vector (Left) detected with EIF4E2 antibody

**ADDITIONAL INFORMATION**

|                                                      |                                  |
|------------------------------------------------------|----------------------------------|
| Related Product Information for anti-EIF4E2 antibody | Mouse monoclonal EIF4E2 antibody |
| Product Categories/Family for anti-EIF4E2 antibody   | <a href="#">DNA &amp; RNA</a>    |

**NCBI AND UNIPROT INFORMATION**

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">4757702</a>                                                  |
| NCBI GeneID                      | <a href="#">9470</a>                                                     |
| NCBI Accession #                 | <a href="#">NP_004837</a>                                                |
| NCBI GenBank Nucleotide #        | <a href="#">NM_004846.2</a>                                              |
| UniProt Accession #              | <a href="#">O60573</a> ; <a href="#">O75349</a> ; <a href="#">B8ZZJ9</a> |
| Molecular Weight                 | 27,026 Da                                                                |
| NCBI Official Full Name          | eukaryotic translation initiation factor 4E type 2 isoform A             |
| NCBI Official Synonym Full Names | eukaryotic translation initiation factor 4E family member 2              |
| NCBI Official Symbol             | EIF4E2                                                                   |
| NCBI Official Synonym Symbols    | 4EHP; IF4e; 4E-LP; EIF4EL3                                               |
| NCBI Protein Information         | eukaryotic translation initiation factor 4E type 2                       |
| UniProt Protein Name             | Eukaryotic translation initiation factor 4E type 2                       |
| UniProt Gene Name                | <b>EIF4E2</b>                                                            |
| UniProt Synonym Gene Names       | EIF4EL3; eIF-4E type 2; eIF4E type 2                                     |
| UniProt Entry Name               | IF4E2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/eif4e2-antibody-clone-1f11-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106249>