

# Mouse anti-Human EIF2A Monoclonal Antibody | anti-EIF2A antibody

EIF2A Antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                                              |
|-----------|-------|------------|-------------------------------------------------------------------------------------------|
| AAA29904  | Mouse | Human      | Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay |

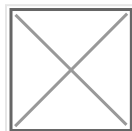
## PRODUCT SYNONYMS

EIF2A; Monoclonal Antibody; EIF2A Antibody; 65 kDa eukaryotic translation initiation factor 2A antibody; CDA 02 antibody; CDA02 antibody; EIF 2 antibody; EIF 2A antibody; eIF-2A antibody; EIF2 antibody; eif2a antibody; EIF2A\_HUMAN antibody; Eukaryotic translation initiation factor 2A 65kDa antibody; Eukaryotic translation initiation factor 2A antibody; MST089 antibody; MSTP004 antibody; MSTP089 antibody; anti-EIF2A antibody

## PRODUCT SPECIFICATIONS

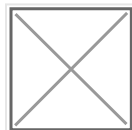
|                                                 |                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                               |
| Reactivity                                      | Human                                                                                               |
| Clonality                                       | Monoclonal                                                                                          |
| Clone Number                                    | A8-A7                                                                                               |
| Purity/Purification                             | ProA affinity purified                                                                              |
| Form/Format                                     | 1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.                              |
| Applicable Applications for anti-EIF2A antibody | WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry) |
| Application Notes                               | WB: 1:500-1:2000<br>IHC: 1:50-1:200<br>ICC: 1:50-1:200<br>FC/FACS: 1:50-1:100                       |
| Immunogen                                       | Recombinant protein                                                                                 |
| Conjugation                                     | Unconjugated                                                                                        |
| Preparation and Storage                         | Store at -20 degree C.                                                                              |

## IMAGES



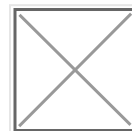
### FCM (Flow Cytometry)

Flow cytometric analysis of HepG2 cells with EIF2A antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).



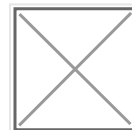
### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue using anti-EIF2A antibody. Counter stained with hematoxylin.



### ICC (Immunocytochemistry)

ICC staining EIF2A (green) in HepG2 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



### WB (Western Blot)

Western blot analysis of EIF2A on different cell lysate using anti-EIF2A antibody at 1/1, 000 dilution. Positive controls: Line1: MCF-7 Line2: PC-12 Line3: HepG2 Line4: Hela Line5: Cos7 Line6: K562 Line7: Jurkat Line8: A431 Line9:

**WB (Western Blot)**

Western blot analysis of EIF2A on HEK293 (1) and EIF2A-hlgGfC transfected HEK293 (2) cell lysate using anti-EIF2A antibody at 1/1, 000 dilution.

**WB (Western Blot)**

Western blot analysis of EIF2A on human EIF2A recombinant protein using anti-EIF2A antibody at 1/1, 000 dilution.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-EIF2A antibody</b> | eIF2A (eukaryotic translation initiation factor 2A), also known as CDA02, MSTP004 or MSTP089, is a 585 amino acid protein that contains three WD repeats. Expressed ubiquitously with highest expression in heart, brain, pancreas and placenta, eIF2A functions as a translation initiation factor that binds Met-tRNA and directs it to 40S ribosomal subunits. Present in the early steps of protein synthesis, eIF2A controls the binding of Met-tRNA to 40S ribosomal subunits in a codon-dependent manner, in contrast to the eIF2 complex which accomplishes the same task in a GTP-dependent manner. In addition to its role in transcription initiation, eIF2A may also act to negatively regulate the expression of specific proteins, suggesting a possible role as a transcriptional repressor. eIF2A exists as two isoforms due to alternative splicing events. |
| <b>Product Categories/Family for anti-EIF2A antibody</b>   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 54873624                                                                                        |
| NCBI GeneID                      | 83939                                                                                           |
| NCBI Accession #                 | NP_114414.2                                                                                     |
| NCBI GenBank Nucleotide #        | NM_032025.3                                                                                     |
| UniProt Accession #              | Q9BY44; Q5QTR2; Q7Z4E9; Q8NFM1; Q96EW9; Q96K81; A8MPS6; D3DNI9                                  |
| Molecular Weight                 | 64,990 Da                                                                                       |
| NCBI Official Full Name          | eukaryotic translation initiation factor 2A                                                     |
| NCBI Official Synonym Full Names | eukaryotic translation initiation factor 2A, 65kDa                                              |
| NCBI Official Symbol             | EIF2A                                                                                           |
| NCBI Official Synonym Symbols    | CDA02; EIF-2A; MST089; MSTP004; MSTP089                                                         |
| NCBI Protein Information         | eukaryotic translation initiation factor 2A; 65 kDa eukaryotic translation initiation factor 2A |
| UniProt Protein Name             | Eukaryotic translation initiation factor 2A                                                     |
| UniProt Gene Name                | EIF2A                                                                                           |
| UniProt Synonym Gene Names       | eIF-2A                                                                                          |
| UniProt Entry Name               | EIF2A_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/eif2a-antibody-clone-a8-a7-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29904>