

Mouse anti-Human EIF5A Monoclonal Antibody | anti-EIF5A antibody

EIF5A antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48244	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

EIF5A; Monoclonal Antibody; EIF5A antibody; Eukaryotic translation initiation factor 5A isoform B; EIF-5A; EIF5A1; eIF5A1; Eukaryotic translation initiation factor 5A isoform B eIF 4D; EIF 5A; eIF 5A 1; eIF 5A1; eIF4D; uORF; uORF A; Eukaryotic initiation factor 5A; Rev binding factor; Eukaryotic initiation factor 5A isoform 1; MGC99547; Eukaryotic translation initiation factor 5A; Eukaryotic translation initiation factor 5A 1; MGC104255.; anti-EIF5A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT4D1
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	154
Applicable Applications for anti-EIF5A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human EIF5A (1-154aa) purified from E. coli
Clone Note	Anti-human EIF5A mAb, clone AT4D1, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human EIF5A protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of EIF5A in Balb/3T3 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human EIF5A antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green)



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EIF5A antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Jurkat cell lysate Lane 2.: 293T cell lysate Lane 3.: HeLa cell lysate Lane 4.: MCF7 cell lysate Lane 5.: NIH-3T3 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-EIF5A antibody	Eukaryotic translation initiation factor 5A (eIF5A) is the only protein Known to contain unusual amino acid formed by the action of deoxyhypusine synthase and deoxyhypusine hydroxylase using spermidine as the substrate. This protein was previously reported to be involved in the first step of peptide bond formation in translation; however more recent work implicates it as a universally conserved translation elongation factor. Modulation of eIF5A has been linked to proliferation and cancer.
Product Categories/Family for anti-EIF5A antibody	Epigenomics (Transcription & Translation)
References	Saini P., et al. (2009) Nature. 459 (7243): 118-21.; Gossiau A., et al. (2009) J Cell Physiol. 219 (2): 485-93.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503545
NCBI GeneID	1984
NCBI Accession #	NP_001961
NCBI GenBank Nucleotide #	NM_001970.4
UniProt Accession #	P63241; P10159; Q16182; Q7L7L3; Q7Z4L1; Q9D0G2; A8K9A0; D3DTP2
Molecular Weight	20,170 Da
NCBI Official Full Name	eukaryotic translation initiation factor 5A-1 isoform B
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 5A
NCBI Official Symbol	EIF5A
NCBI Official Synonym Symbols	EIF-5A; EIF5A1; eIF5AI
NCBI Protein Information	eukaryotic translation initiation factor 5A-1
UniProt Protein Name	Eukaryotic translation initiation factor 5A-1
UniProt Gene Name	EIF5A
UniProt Synonym Gene Names	eIF-5A-1; eIF-5A1; eIF-5A

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/eif5a-antibody-clone-at4d1-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48244>