

Mouse anti-Human EEF1A1 Monoclonal Antibody | anti-EEF1A1 antibody

EEF1A1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48187	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

EEF1A1; Monoclonal Antibody; EEF1A1 antibody; Eukaryotic translation elongation factor 1 alpha 1; CCS-3; CCS3; EEF-1; EEF1A; eEF1A-1; EF-Tu; EF1A; FLJ25721; GRAF-1EF; HNGC:16303; PT11; anti-EEF1A1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT23C11
Purity/Purification	By protein-A 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	462
Applicable Applications for anti-EEF1A1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human EEF1A1 (1-462aa) purified from E Coli
Clone Note	Anti-human EEF1A1 mAb, clone AT23C11, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human EEF1A1 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 EEF1A1 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human EEF1A1 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 EEF1A1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: A549 cell lysate Lane 3.: Raji cell lysate Lane 4.: THP-1 cell lysate Lane 5.: MCF-7 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-EEF1A1 antibody	Eukaryotic translation elongation factors 1 alpha, eEF1A1 and eEF1A2, are not only translation factors but also pleiotropic proteins that are highly expressed in human tumors, including breast cancer, ovarian cancer, and lung cancer. eEF1A1 modulates cytoskeleton, exhibits chaperone-like activity and also controls cell proliferation and cell death. Translation is the process where amino acid residues are assembled into polypeptides on ribosomes. This process is generally divided into three stages: initiation, elongation and termination. During elongation, mRNA and tRNA pair at the two active sites (A and P sites) on the ribosome. A number of eukaryotic elongation factors (eEFs) are involved in this process in mammalian cells.
Product Categories/Family for anti-EEF1A1 antibody	Epigenomics (Transcription & Translation)
References	Huang Y., et al. (2012) Zhongguo Shi Yan Xue Ye Xue Za Zhi. 20 (4): 835-841.; Browne GJ., et al. (2002) Eur J Biochem. 269 (22): 5360-5368.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503471
NCBI GeneID	1915
NCBI Accession #	NP_001393
NCBI GenBank Nucleotide #	NM_001402.5
UniProt Accession #	P68104 ; P04719 ; P04720 ; Q6IQ15
Molecular Weight	47,869 Da
NCBI Official Full Name	elongation factor 1-alpha 1
NCBI Official Synonym Full Names	eukaryotic translation elongation factor 1 alpha 1
NCBI Official Symbol	EEF1A1
NCBI Official Synonym Symbols	CCS3; EF1A; PTI1; CCS-3; EE1A1; EEF-1; EEF1A; EF-Tu; LENG7; eEF1A-1; GRAF-1EF; HNGC:16303
NCBI Protein Information	elongation factor 1-alpha 1
UniProt Protein Name	Elongation factor 1-alpha 1
UniProt Gene Name	EEF1A1
UniProt Synonym Gene Names	EEF1A; EF1A; LENG7; EF-1-alpha-1; EF-Tu; eEF1A-1

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/eef1a1-antibody-clone-at23c11-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48187>