

Mouse eIF4AI Monoclonal Antibody | anti-eIF4AI antibody

Mouse anti-eIF4AI Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA224048	Mouse	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

eIF4AI; Monoclonal Antibody; Mouse anti-eIF4AI Antibody; DDX2A; EIF4A; Eukaryotic initiation factor 4A-I; eIF-4A-I; eIF4A-I; ATP-dependent RNA helicase eIF4A-1; anti-eIF4AI antibody

PRODUCT SPECIFICATIONS

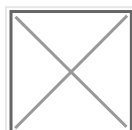
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-eIF4AI antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence of human eIF4AI. The exact sequence is proprietary.
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



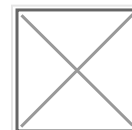
IF (Immunofluorescence)

Immunofluorescent analysis of eIF4AI staining in Hela 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 FITC-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



WB (Western Blot)

Western blot analysis of eIF4AI expression in 293T (A), Hela (B), HepG2 (C), mouse brain (D) whole cell lysates.



IHC (Immunohistochemistry)

Immunohistochemical analysis of eIF4AI staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL INFORMATION

Product Categories/Family for anti-eIF4AI antibody	Primary antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503529
NCBI GeneID	1973
NCBI Accession #	NP_001407
NCBI GenBank Nucleotide #	NM_001416
UniProt Accession #	P60842; P60843
Molecular Weight	39,548 Da
NCBI Official Full Name	eukaryotic initiation factor 4A-I isoform 1
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4A1
NCBI Official Symbol	EIF4A1
NCBI Official Synonym Symbols	DDX2A; EIF4A; EIF-4A; eIF4A-I; eIF-4A-I
NCBI Protein Information	eukaryotic initiation factor 4A-I; ATP-dependent RNA helicase eIF4A-1; eukaryotic initiation factor 4AI; eukaryotic translation initiation factor 4A, isoform 1
UniProt Protein Name	Eukaryotic initiation factor 4A-I
UniProt Gene Name	EIF4A1
UniProt Synonym Gene Names	DDX2A; EIF4A; eIF-4A-I; eIF4A-I
UniProt Entry Name	IF4A1_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/eif4ai-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/224048>