Mouse eIF4AI Monoclonal Antibody | anti-eIF4AI antibody

Anti-eIF4AI Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA293380	**Mouse**	**Human, Mouse, Rat**	**Immunohistochemistry, Immunofluorescence, Western Blot**

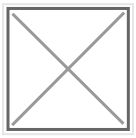
PRODUCT SYNONYMS

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

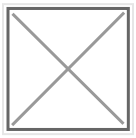
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of eIF4AI protein.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Applicable Applications for anti-eIF4AI antibody	IHC (Immunohistochemistry), IC (Immunochemistry), IF (Immunofluorescence), WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Dilution: WB (1/1000 - 1/3000), IH (1/100 - 1/200), IF/IC (1/100 - 1/200



IHC (Immunohiostchemistry)
Dilution: WB: (1/1000 - 1/3000), IH (1/100 - 1/200), IF/IC (1/100 - 1/200)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.



WB (Western Blot)
Dilution: WB (1/1000 - 1/3000), IH (1/100 - 1/200), IF/IC (1/100 - 1/200)Western blot analysis of eIF4AI expression in 293T (A), Hela (B), HepG2 (C), mouse brain (D) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-eIF4AI antibody	Mouse monoclonal antibody to eIF4AI KLH-conjugated synthetic peptide encompassing a sequence of human eIF4AI. The exact sequence is proprietary. ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503529
NCBI GeneID	1973
NCBI Accession #	NP_001407
NCBI GenBank Nucleotide #	NM_001416
UniProt Accession #	P60842; P04765; Q5U018; Q61516; B2R6L8; D3DTP9; J3QLC4
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-immunohistochemistry-immunochemistry-immunofluorescence-western-blot-elisa/293380