

Mouse anti-Human, Mouse EIF4E Monoclonal Antibody | anti-EIF4E antibody

EIF4E Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322669	Mouse	Human, Mouse	Flow Cytometry, Functional Assay, ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

EIF4E; Monoclonal Antibody; EIF4E Antibody; AUTS19; CBP; eIF 4E; eIF 4F 25 kDa subunit; EIF 4F; eIF-4E; eIF-4F 25 kDa subunit; eIF4E; EIF4E1; EIF4EL1; EIF4F; Eukaryotic translation initiation factor 4 E; Eukaryotic translation initiation factor 4E; Eukaryotic translation initiation factor 4E like 1; IF4E_HUMAN; Messenger RNA Cap Binding Protein eIF 4E; MGC111573; mRNA cap binding protein; mRNA cap-binding protein; anti-EIF4E antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	EIF4E antibody detects endogenous levels of total EIF4E
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	237
Applicable Applications for anti-EIF4E antibody	FCM/FACS (Flow Cytometry), ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human EIF4E expressed in E. Coli
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Figure 1: Western blot analysis using EIF4E mouse mAb against HeLa (1), HEK293 (2) and K562 (3) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF4E antibody	Description: EIF4E, a protein modulates translation of maternal mRNAs in early embryos before the onset of zygotic transcription. eIF4E also influences the overall rate of translation. eIF4E binds to the 7 methyl GTP cap structure of eukaryotic mRNAs. Phosphorylation of eIF4E on serine 209 regulates the affinity of this protein for the 7 methyl GTP cap and/or RNA. Phosphorylation also enhances the interaction of eIF4E with eIF4G, which form a complex known as eIF4F. eIF4E phosphorylation is correlated with increased translational rate in a number of cell types. Several kinases are currently being investigated as potential regulators of eIF4E including PKC and/or the MAP kinase activated Mnk.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194578907
NCBI GeneID	1977
NCBI Accession #	NP_001124150.1
NCBI GenBank Nucleotide #	NM_001130678.2
UniProt Accession #	P06730; Q96E95; B7Z6V1; D6RCQ6
Molecular Weight	25 kDa
NCBI Official Full Name	eukaryotic translation initiation factor 4E isoform 3
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4E
NCBI Official Symbol	EIF4E
NCBI Official Synonym Symbols	CBP; EIF4F; AUTS19; EIF4E1; eIF-4E; EIF4EL1
NCBI Protein Information	eukaryotic translation initiation factor 4E
UniProt Protein Name	Eukaryotic translation initiation factor 4E
UniProt Gene Name	EIF4E
UniProt Synonym Gene Names	EIF4EL1; EIF4F; eIF-4E; eIF4E

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/eif4e-antibody-flow-cytometry-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322669>