

Mouse anti-Human EIF4E Antibody | anti-EIF4E antibody

EIF4E Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108614	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

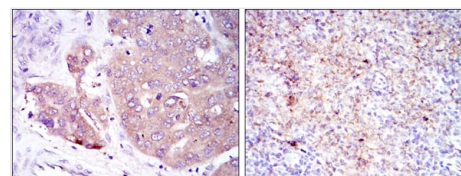
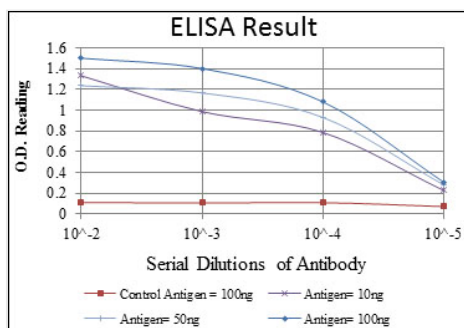
PRODUCT SYNONYMS

EIF4E; EIF4E Antibody; CBP; EIF4F; EIF4E1; EIF4EL1; MGC111573; anti-EIF4E antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	5D11
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	237
Applicable Applications for anti-EIF4E antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human EIF4E expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C.

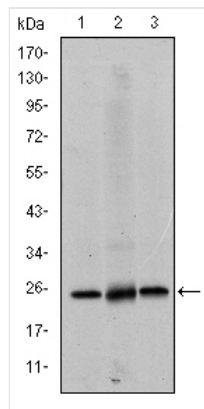
IMAGES



IHC (Immunohistochemistry)

Figure 2: Immunohistochemical analysis of paraffin-embedded liver cancer (left) and submaxillary tumor (right) using EIF4E mouse mAb with DAB staining.

Application Data



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	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.
Product Categories/Family for anti-EIF4E antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

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	25kDa
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.