

Mouse anti-Human eIF4E Monoclonal Antibody | anti-eIF4E antibody

eIF4E Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320043	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

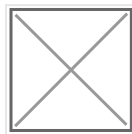
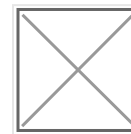
eIF4E; Monoclonal Antibody; eIF4E Monoclonal Antibody; Eukaryotic translation initiation factor 4E; EIF4E; EIF4EL1; EIF4F; eIF-4E; eIF-4F 25 kDa subunit; mRNA cap-binding protein; anti-eIF4E antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	eIF4E Monoclonal Antibody detects endogenous levels of eIF4E protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-eIF4E antibody	ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human eIF4E expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

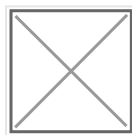
IMAGES

Application Data



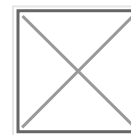
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Hela cells using eIF4E Monoclonal Antibody (green) and negative control (purple).



IF (Immunofluorescence)

Immunofluorescence analysis of GC-7901 cells using eIF4E Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded liver cancer (left) and submaxillary tumor (right) with DAB staining using eIF4E Monoclonal Antibody.



WB (Western Blot)

Western Blot analysis using eIF4E Monoclonal Antibody against HeLa (1), HEK293 (2) and K562 (3) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-eIF4E antibody	The protein encoded by this gene is a component of the eukaryotic translation initiation factor 4F complex, which recognizes the 7-methylguanosine cap structure at the 5' end of messenger RNAs. The encoded protein aids in translation initiation by recruiting ribosomes to the 5'-cap structure. Association of this protein with the 4F complex is the rate-limiting step in translation initiation. This gene acts as a proto-oncogene, and its expression and activation is associated with transformation and tumorigenesis. Several pseudogenes of this gene are found on other chromosomes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]
Product Categories/Family for anti-eIF4E antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	194578907
NCBI GeneID	1977
NCBI Accession #	NP_001124150.1
NCBI GenBank Nucleotide #	NM_001130678.1
UniProt Accession #	P06730; Q96E95; B7Z6V1; D6RCQ6
Molecular Weight	25,097 Da
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; EIF4EL1
NCBI Protein Information	eukaryotic translation initiation factor 4E; eIF-4E; eIF-4F 25 kDa subunit; mRNA cap-binding protein; eukaryotic translation initiation factor 4E-like 1
UniProt Protein Name	Eukaryotic translation initiation factor 4E
UniProt Gene Name	EIF4E
UniProt Synonym Gene Names	EIF4EL1; EIF4F; eIF-4E; eIF4E
UniProt Entry Name	IF4E_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/eif4e-antibody-flow-cytometry-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320043>