



Category: Monoclonal Antibodies

Product Name: Mouse Monoclonal Antibody to EIF4E

Catalog Number: MAB-606030189

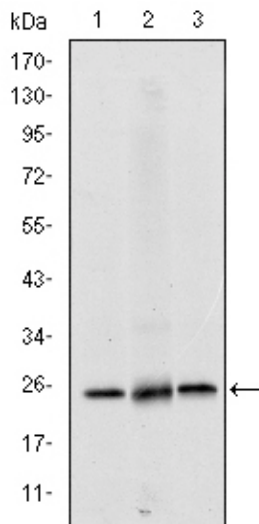


Figure 1: Western blot analysis using EIF4E mouse mAb against Hela (1), HEK293 (2) and K562 (3) cell lysate.

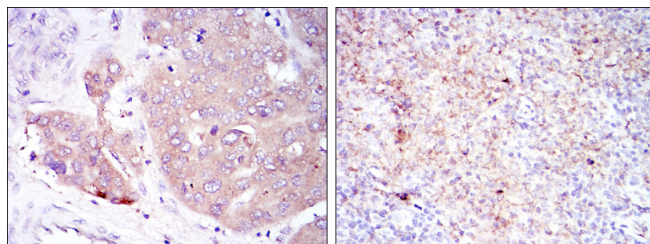


Figure 2: Immunohistochemical analysis of paraffin-embedded liver cancer (left) and submaxillary tumor (right) using EIF4E mouse mAb with DAB staining.

Lot#: 5D11
Clone#: 5D11
Host and isotype: Mouse IgG1
Size: 0.1ml
MW: 25kDa
Aliases: CBP; EIF4F; EIF4E1; EIF4EL1; MGC111573; EIF4E
Entrez Gene: 1977
Species reactivity: Human

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.

Immunogen Purified recombinant fragment of human EIF4E expressed in E. Coli.

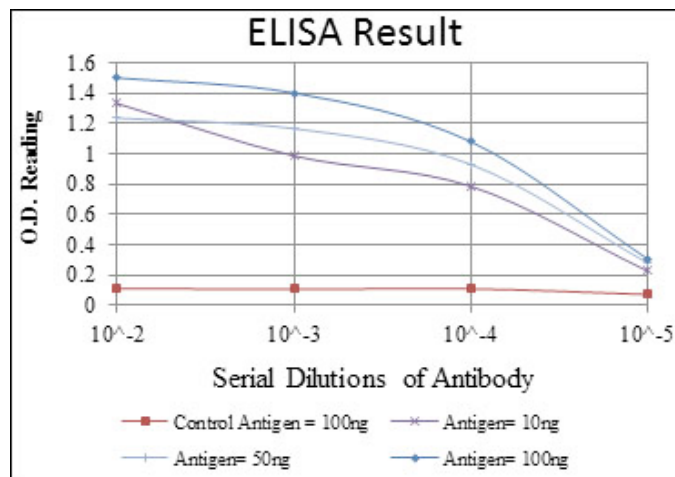
Application Western Blotting: 1/500 - 1/2000.
Immunohistochemistry: 1/200 - 1/1000.
Immunofluorescence: 1/200 - 1/1000.
Flow cytometry: 1/200 - 1/400.
ELISA: Propose dilution 1/10000.
Not yet tested in other applications.
Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4°C, for long term storage, store at -20°C.

Related product

References 1. Ann Surg Oncol. 2008 Nov;15(11):3207-15.
2. J Biol Chem. 2008 Sep 12;283(37):25227-37.



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