eIF4E (8C8) monoclonal antibody

Catalog: MB3072 Host: Mouse Reactivity: Human,Mouse,Rat

BackGround:

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.

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

Calculated MW: 25 kDa; Observed MW: 25 kDa

Swiss-Prot:

P06730

Purification&Purity:

Affinity Purified

Applications:

WB: 1/500-1/1000

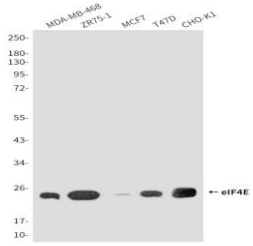
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Isotype:

IgG1

DATA:



Western blot analysis of eIF4E in MDA-MB-468, ZR751, MCF-7, T47D and CHO-K1 lysates using eIF4E antibody.

Western blot analysis of eIF4E in Jurkat, Hela, MCF-7, K562, C6, 3T3, PC-12, HepG2, CHO-K1, Raji, Raw264.7 and Ramos lysates using eIF4E antibody.

Note:

For research use only, not for use in diagnostic procedure.

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