

Anti-eIF4E Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M011088

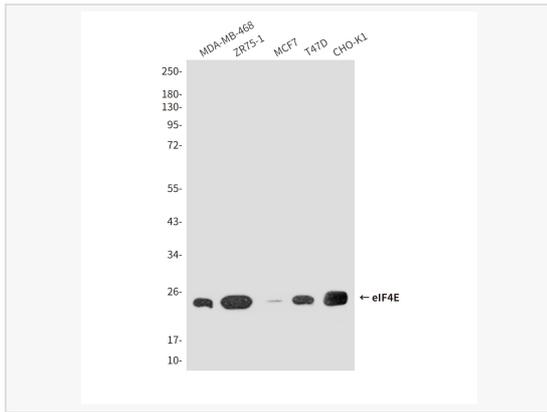
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse (Cell), Rat
Dilution	WB 1:500~1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	14K08L25
Isotype	IgG1
Label	Unconjugated
Immunogen	Purified recombinant human eif4e protein expressed in E.coli.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-eIF4E antibody [14K08L25] is for research use only and not for use in diagnostic or therapeutic procedures.

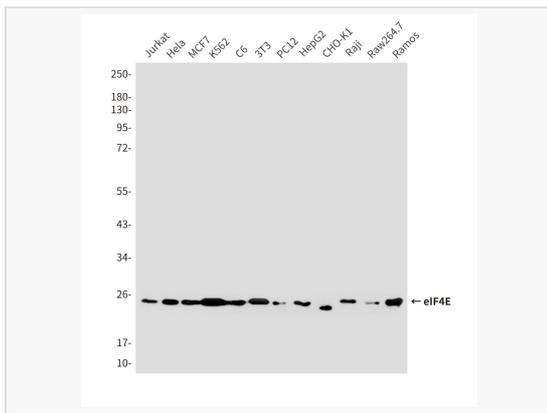
Protein Information

Synonyms	EIF4E, EIF4EL1, EIF4F, Eukaryotic translation initiation factor 4E, eIF-4E, eIF4E, eIF-4F 25 kDa subunit, mRNA cap-binding protein.
Calculated MW	Calculated MW: 25 kDa; Observed MW: 25 kDa
Uniprot ID	P06730
Gene ID	1977
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.

Validation Images



Western blot analysis of eIF4E in MDA-MB-468, ZR751, MCF-7, T47D and CHO-K1 lysates using eIF4E antibody [14K08L25].



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 [14K08L25].