# EIF4E Ab

Images(1)

| | | |
|---|---|---|
| Cat.#: BF0279 | Concn.: ~1mg/ml | Mol.Wt.: 25kDa |
| Size: | Source: Mouse | Clonality: Monoclonal |

| | |
|---|---|
| Application: | ELISA 1:10000, WB 1:500-1:2000, IHC 1:200-1:1000, IF/ICC 1:200-1:1000, FCM 1:200-1:400<br>*The optimal dilutions should be determined by the end user. |
| Reactivity: | Human,Mouse |
| Storage: | Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt. |
| Purification: | Affinity-chromatography. |
| Immunogen: | Purified recombinant fragment of human EIF4E expressed in E. Coli. |
| Uniprot: | P06730 |
| 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. |

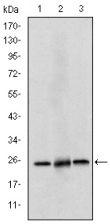


Figure 1: Western blot analysis using EIF4E mouse mAb against Hela (1), HEK293 (2) and K562 (3) cell lysate.

*IMPORTANT:* For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.