

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## EIF4E RABBIT MAB

Cat.#: N262171

**Product Name:** Anti-eIF4E Rabbit Monoclonal Antibody

**Synonyms:** EIF4E; EIF4EL1; EIF4F; Eukaryotic translation initiation factor 4E; eIF-4E; eIF4E; eIF-4F 25 kDa subunit; mRNA cap-binding protein

**UNIPROT ID:** P06730

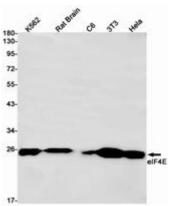
**Background:** eIF4E, a protein modulates translation of maternal mRNAs in early embryos before the onset of zygotic transcription. eIF4E also influences the overall rate of translation. eIF4E binds to the 7 methyl GTP cap structure of eukaryotic mRNAs. Phosphorylation of eIF4E on serine 209 regulates 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.

Immunogen: A synthetic peptide of human eIF4E Applications: WB,IHC-P,IP Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20 Host Species: Rabbit Clonality: Rabbit Monoclonal **Clone ID:** R04-4H7 MW: Calculated MW: 25 kDa; Observed MW: 25 kDa Isotype: IgG Purification: Affinity Purified Species Reactivity: Human, Mouse, Rat Conjugation: Unconjugated **Modification:** Unmodified **Constituents:** PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide **Research Areas:** Epigenetics and Nuclear Signaling Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

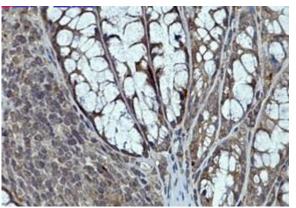


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Western blot analysis of eIF4E in K562, rat Brain, C6, 3T3, Hela Iysates using eIF4E antibody.



Immunohistochemistry analysis of paraffin-embedded mouse colon using eIF4E antibody.Highpressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.