

Product Datasheet

Phospho-eIF4E (S209) antibody

Catalog No: CY5419

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC IP



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Information

UniProt ID: P06730

All Names: CBP; eIF-4E; eIF-4F 25 kDa subunit; EIF4F; EIF4E1; EIF4EL1; MGC111573; EIF4E;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 25 kDa

Application

WB: 1:1000~1:10000

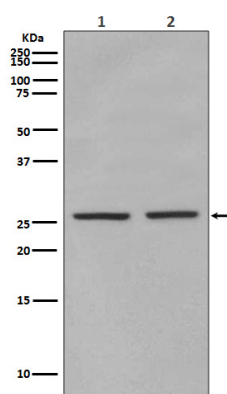
IHC: 1:50~1:200

ICC: 1:50~1:200

IP: 1:50

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. Several kinases are currently being investigated as potential regulators of eIF4E including PKC and/or the MAP kinase activated Mnk.



Western blot analysis of eIF4E (phosphoS209) expression in (1) HEK293 whole cell lysate; (2) Mouse spleen lysate.

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