

## Product Datasheet

# EIF4E Antibody



Catalog No: CY8863

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC IP FC

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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.: 30kDa

### Application

WB 1:100~1:5000

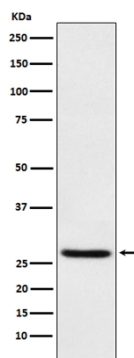
IHC 1:100~1:500

IP 1:30

FC 1:40

### 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.



Western blot analysis of EIF4E expression in 293 cell lysate.

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