

Datasheet for ABIN197472
anti-EIF4E antibody (Ser209)



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3 Images

Overview

Quantity:	0.1 mL
Target:	EIF4E
Binding Specificity:	Ser209
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF4E antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthetic non-phosphopeptide derived from human eIF4E around the phosphorylation site of serine 209 (S-G-Sp-T-T).
Specificity:	This antibody detects endogenous levels of total eIF4E protein.
Purification:	Affinity chromatography

Target Details

Target:	EIF4E
Alternative Name:	EIF4E (EIF4E Products)
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

Target Details

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.Synonyms: EIF-4E, EIF4EL1, EIF4F, Eukaryotic translation initiation factor 4E, eIF-4F 25 kDa subunit, mRNA cap-binding protein

Gene ID: 1977

NCBI Accession: [NP_001959](#)

UniProt: [P06730](#)

Pathways: [BCR Signaling](#)

Application Details

Application Notes: Western blot: 1/500-1/1000. Immunofluorescence: 1/100-1/200. Immunohistochemistry on Paraffin-Embedded Sections: 1/50-1/100.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS (without Mg²⁺ and Ca²⁺), pH 7.4 containing 150 mM NaCl, 0.02 % Sodium Azide and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store the antibody (in aliquots) at -20 °C.

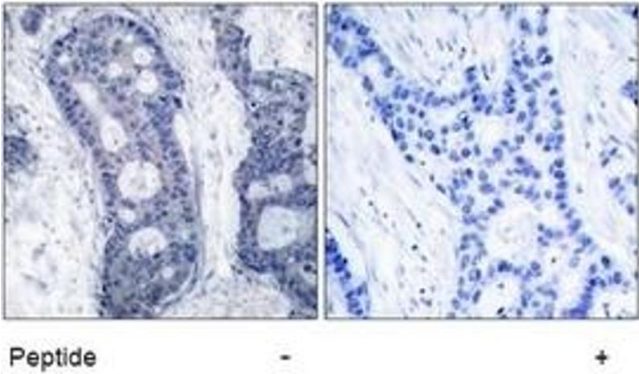


Image 1.

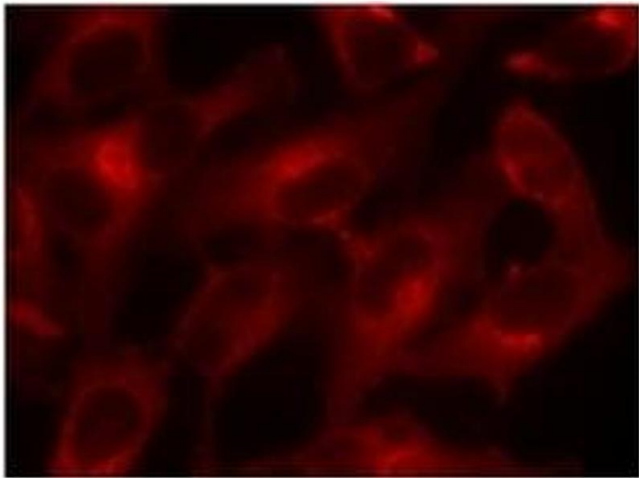


Image 2.

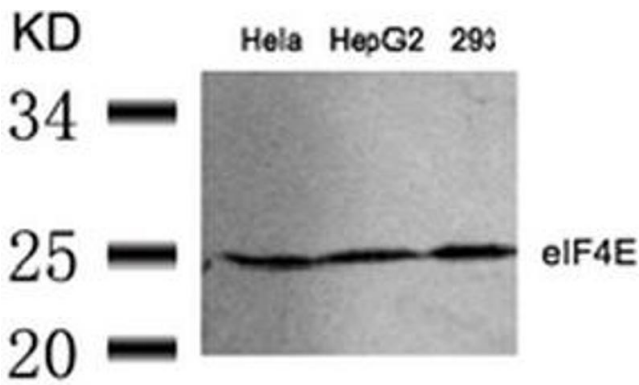


Image 3.