PHOSPHO-EIF4E (SER209) RABBIT MAB

: N262169

: Phospho-eIF4E (Ser209)

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

UNIPROT ID: P06730

: 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.

: A synthetic phosphopeptide corresponding to residues surrounding Ser209 of human eIF4E

: WB,IHC-F,IHC-P,ICC/IF,IP

: WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20

: Rabbit

Rabbit Monoclonal

: R04-5A4

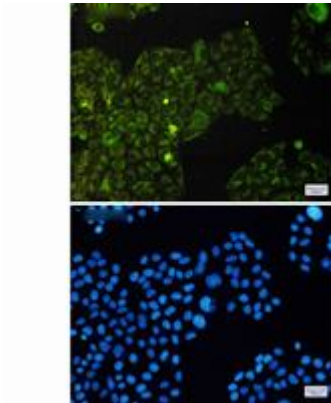: Calculated MW: 25 kDa; Observed MW: 25 kDa

: IgG

: Affinity Purified
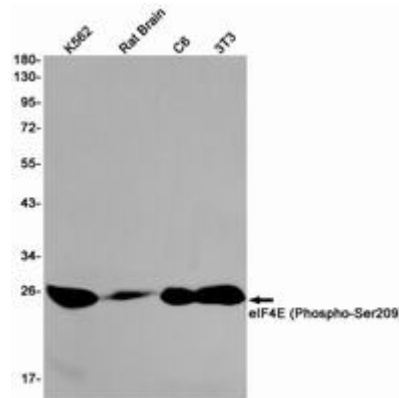
: Human, Mouse and Rat

Modification: Phosphorylated

: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide
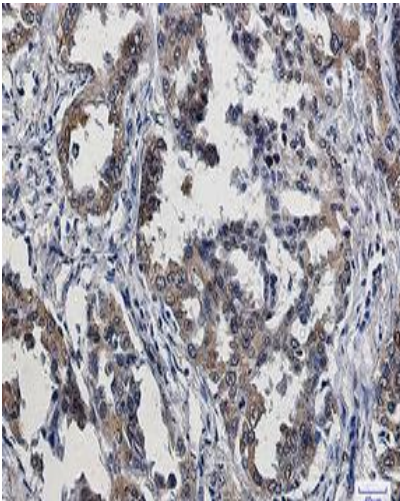
: Hypoxia Signal Transduction& Hypoxia-induced

: Store at -20ºC. Avoid repeated freezing and thawing

Immunocytochemistry analysis of eIF4E (Phospho-Ser209)(green) in Hela using eIF4E (Phospho-Ser209) antibody,and DAPI(blue)

Western blot analysis of eIF4E (Phospho-Ser209) in K562, rat Brain, C6, 3T3 lysates using Phospho-eIF4E (Ser209) antibody.

Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Phospho-eIF4E (Ser209) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.