

eIF4E (phospho-S209) polyclonal antibody

Catalog: BCP00707

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 25 kDa

Swiss-Prot:

P06730

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

Storage&Stability:

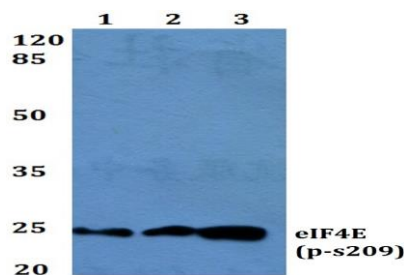
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

p-eIF4E (S209) polyclonal antibody detects endogenous

levels of eIF4E protein only when phosphorylated at Ser209.

DATA:



Western blot (WB) analysis of p-eIF4E (S209) pAb at 1:500 dilution

Lane1:The Lung tissue lysate of Mouse(40ug)

Lane2:The Brain tissue lysate of Rat(40ug)

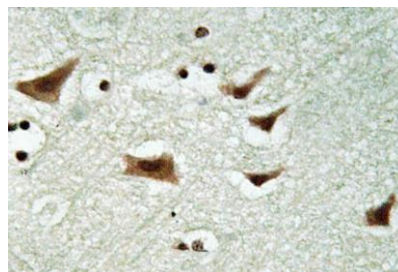
Lane3:3T3-L1 whole cell lysate(40ug)

Lane4:C6 whole cell lysate(40ug)

Lane5:A2780 whole cell lysate(40ug)

Lane6:SK-OVCAR3 whole cell lysate(40ug)

Lane7:Panc1 whole cell lysate(20ug)



Immunohistochemistry (IHC) analyzes of p-eIF4E (S209) pAb in paraffin-embedded human brain tissue.

Note:

For research use only, not for use in diagnostic procedure.