eIF4E (phospho-S209) polyclonal antibody

Catalog: BS4748 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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

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

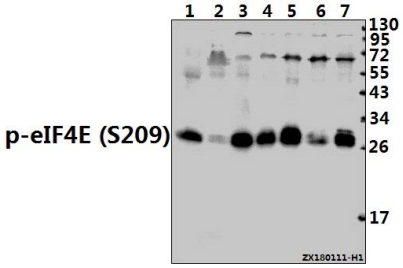
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ 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.

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