

eIF4E (T203) polyclonal antibody

Catalog: BCP00708

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

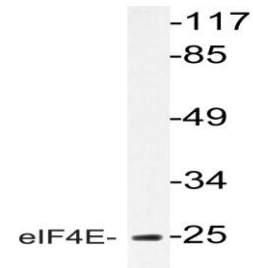
IP: 1:10~1:100

Storage&Stability:

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

Specificity:

eIF4E (T203) polyclonal antibody detects endogenous levels of eIF4E protein.

DATA:

Western blot (WB) analysis of eIF4E (T203) pAb at 1:1000 dilution

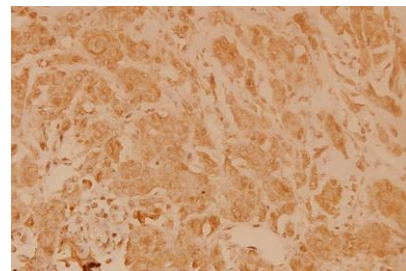
Lane1:Hela whole cell lysate(40ug)

Lane2:SGC7901 whole cell lysate(40ug)

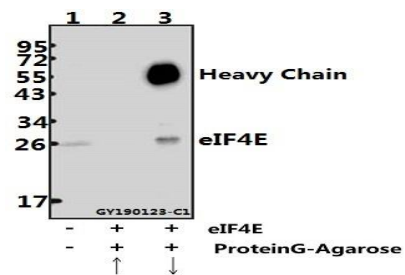
Lane3:The Spleen tissue lysate of Rat(40ug)

Lane4:3T3-L1 whole cell lysate(40ug)

Lane5:BV2 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of eIF4E (T203) pAb in paraformin-embedded human breast carcinoma tissue at 1:100.



Immunoprecipitation of HEK293T cell lysate using eIF4E (T203) polyclonal antibody (Sepharose Bead Conjugate) #BD0048(lane 2 and lane 3).Lane 1 is 30% input.The western blot was probed using eIF4E (T203). “ + ” (supernatant) ; “ - ” (deposition)

Note:

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