eIF4B (phospho-S422) polyclonal antibody

Catalog: BS4311 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.It is phosphorylated at Ser-422 by RPS6KA1 and RPS6KB1.phosphorylation enhances the affinity of EIF4B for the EIF3 complex

Product:

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

Molecular Weight:

~ 80 kDa

Swiss-Prot:

P23588

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-eIF4B (S422) polyclonal antibody detects endogenous levels of eIF4B protein only when phosphorylated at Ser422

DATA:

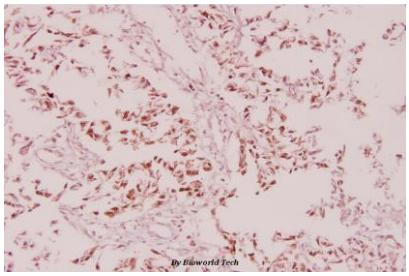
Western blot (WB) analysis of p-eIF4B (S422) pAb at 1:500 dilution

Lane1:The Brain tissue lysate of Rat(40ug)

Lane2:K562 whole cell lysate(40ug)

Lane3:A375 whole cell lysate(40ug)

Lane4:HCT116 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-eIF4B (S422) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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

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