

EIF2S2 (phospho-S67) polyclonal antibody

Catalog: BS64038

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The initiation of protein synthesis in eukaryotic cells is regulated by interactions between protein initiation factors and RNA molecules. The eukaryotic initiation complex eIF2 exists as a heterotrimeric complex of eIF2 α , eIF2 β and eIF2 γ . eIF2 functions in the early stages of protein synthesis, by forming a ternary complex with GTP and tRNA. This complex binds to the 40S ribosomal subunit, followed by mRNA binding to 40S to form the 43S preinitiation complex, the release of eIF2 from 40S, and the hydrolysis of GTP. Phosphorylation of eIF2 α correlates with inhibition of translation initiation.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 38 kDa

Swiss-Prot:

P20042

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

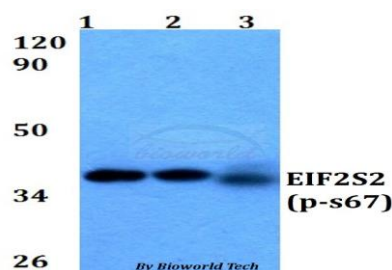
Storage&Stability:

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

Specificity:

p-EIF2S2 (S67) polyclonal antibody detects endogenous levels of EIF2S2 protein only when phosphorylated at Ser67.

DATA:



Western blot (WB) analysis of p-EIF2S2 (S67) polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate

Lane2:sp2/0 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

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

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