

4E-BP1 (phospho-T69) polyclonal antibody

Catalog: BS4003

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

The translation of proteins from eukaryotic mRNA is initiated by the multisubunit complex eIF-4F, which associates with the mRNA 5' cap structure. eIF-4E, a component of eIF-4F, is responsible for binding to the 5' cap structure and for the assembly of the eIF-4F complex. The regulatory protein 4E-BP1, also referred to as PHAS-I, inhibits eIF-4E function. Phosphorylation of 4E-BP1 by S6 kinase p70, MAP kinases or PKCs causes the disassociation of 4E-BP1 from eIF-4E, promoting translation. A protein that is functionally related to 4E-BP1, designated 4E-BP2, also associates with eIF-4E.

Product:

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

Molecular Weight:

~ 15 to 20 kDa

Swiss-Prot:

Q13541

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

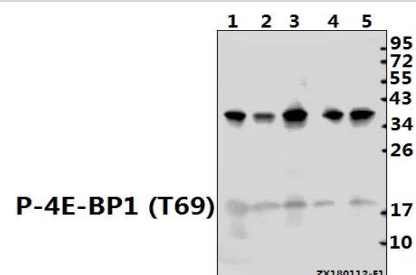
Storage&Stability:

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

Specificity:

p-4E-BP1 (T69) polyclonal antibody detects endogenous levels of 4E-BP1 protein only when phosphorylated at Thr69.

DATA:



Western blot (WB) analysis of 4E-BP1 (phospho-T69) polyclonal antibody at 1:500 dilution

Lane1:SGC7901 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:K562 whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:3T3-L1 whole cell lysate(40ug)

Note:

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

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