

4E-BP1 polyclonal antibody

Catalog: BS90007

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:

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

Molecular Weight:

12.5 kDa

Swiss-Prot:

Q13541(Human) Q60876(Mouse) Q62622(Rat)

Purification&Purity:

Protein affinity purified.

Applications:

WB:1:500-1:1,000

ICC:1:500-1:1,000

IHC:1:50-1:200

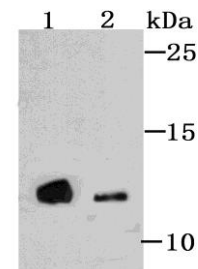
FC:1:50-1:100

Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

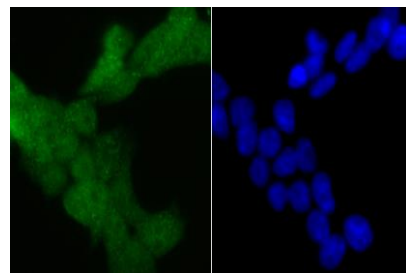
Specificity:

4E-BP1 polyclonal antibody detects endogenous levels of 4E-BP1 protein.

DATA:

Western blot analysis of 4E-BP1 on different lysates using anti-4E-BP1 antibody at 1/500 dilution. Lane1: PC-3M

Lane2: Mouse placenta tissue



ICC staining 4E-BP1 in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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