

eIF2 α (I45) polyclonal antibody

Catalog: BCP00700

Host: Rabbit

Reactivity: Human,Mouse,Rat

BackGround:

eIF2 α , also known as EIF2S1 or EIF2, is a 315 amino acid subunit of the eukaryotic initiation complex that functions to bind tRNA to the 40S ribosomal subunit (in a GTP-dependent manner), thereby initiating translation. In addition, the phosphorylation state of eIF2 α controls the rate of tRNA translation. When eIF2 α is not phosphorylated, translation occurs at a normal rate. However, upon phosphorylation by one of several kinases, eIF2 α is stabilized, thus preventing the GDP/GTP exchange reaction and slowing translation.

Product:

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

Molecular Weight:

~ 38 kDa

Swiss-Prot:

P05198

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

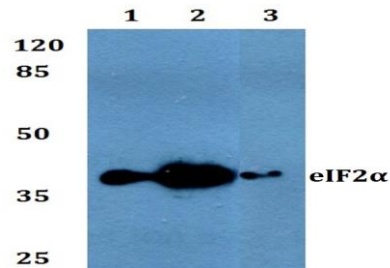
IHC: 1:50~1:200

Storage&Stability:

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

Specificity:

eIF2 α (I45) polyclonal antibody detects endogenous levels of eIF2 α protein.

DATA:

Western blot (WB) analysis of eIF2 α (I45) polyclonal antibody at 1:500 dilution

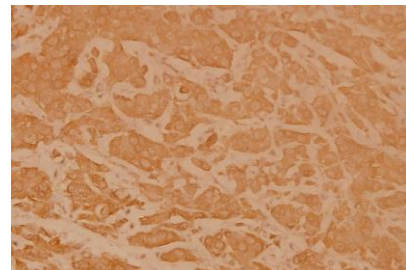
Lane1:A549 whole cell lysate(40ug)

Lane2:H9C2 whole cell lysate(40ug)

Lane3:Hela whole cell lysate(40ug)

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

Lane5:PC12 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of eIF2 α (I45) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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