

EEF2 (phospho-T56) polyclonal antibody

Catalog: BS4059

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Two elongation factors (EF) EF-Tu and EF-2 participate in the elongation phase during protein biosynthesis on the ribosome and their functional cycles depend on GTP binding and its hydrolysis. EF-Tu (also designated mitochondrial precursor p43) and EF-2 are multidomain GTPases with essential functions in translation, and they both bind to the same site on the ribosome where their low intrinsic GTPase activities are strongly stimulated. EF-Tu plays a central role in the fast and accurate delivery of aminoacyl-tRNAs to the translating ribosome. In addition, EF-Tu protects the aminoester bond against hydrolysis until a correct match between the codon on mRNA and the anticodon on tRNA can be achieved. EF-2 supports the translocation of tRNAs and of mRNAs on the ribosome so that a new codon can be exposed for decoding.

Product:

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

Molecular Weight:

~ 95 kDa

Swiss-Prot:

P13639

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:

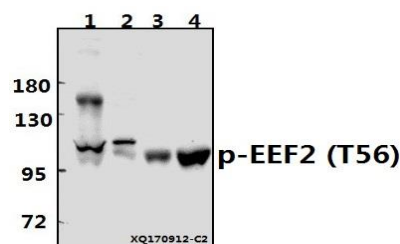
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

p-EEF2 (T56) polyclonal antibody detects endogenous levels of EF-2 protein when phosphorylated at Thr56.

DATA:



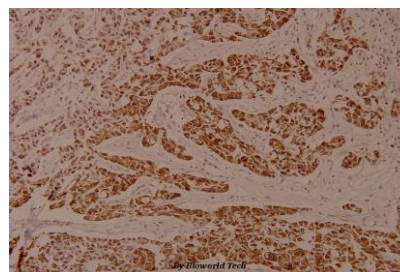
Western blot (WB) analysis of p-EEF2 (T56) pAb at 1:500 dilution

Lane1:K562 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(10ug)

Lane3:The Liver tissue lysate of Rat(40ug)

Lane4:The Liver tissue lysate of Mouse(40ug)



Immunohistochemistry (IHC) analyzes of p-EEF2 (T56) 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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