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Product datasheet for AP06094PU-M

EEF2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**Western blot:** 1/500 - 1/1000. **Immunohistochemistry on paraffin sections:** 1/50 - 1/200. **Immunofluorescence**: 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of eEF2 protein. (region surrounding Ala50)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 100 kDa
Gene Name:	eukaryotic translation elongation factor 2
Database Link:	Entrez Gene 1938 Human P13639

View online »

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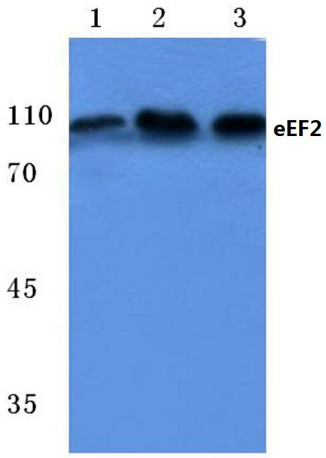
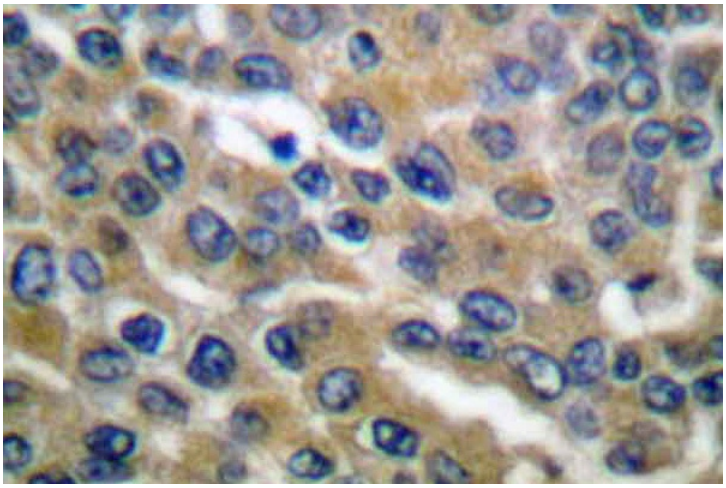
Background: Two elongation factors (EF) EF-Tu and EF-2 participate in the elongation phase during protein biosynthesis on the ribosome and their functional cycles depend on GTP binding and its hydrolysis. EF-Tu (also designated mitochondrial precursor p43) and EF-2 are multidomain GTPases with essential 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.

Synonyms: EF-2, EF2, Elongation factor 2

Product images:



Western blot (WB) analysis of eEF2 antibody (Cat.-No: [AP06094PU-N]) at 1/500 dilution Lane 1:HepG2 cell lysate Lane 2:Mouse kidney tissue lysate Lane 3:Rat kidney tissue lysate



Immunohistochemistry (IHC) analyzes of eEF2 antibody (Cat.-No.: [AP06094PU-N]) in paraffin-embedded human breast carcinoma tissue.

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