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Product datasheet for TA392888M

EEF2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000 IHC: 1:50~1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 20-70 of Human eEF2.
Specificity:	p-EEF2 (T56) polyclonal antibody detects endogenous levels of EF-2 protein when phosphorylated at Thr56.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 95 kDa
Gene Name:	eukaryotic translation elongation factor 2
Database Link:	Entrez Gene 1938 Human P13639

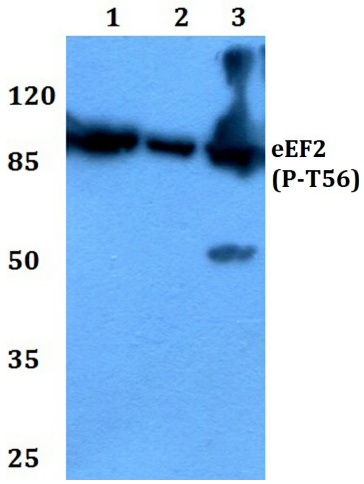
View online »

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.

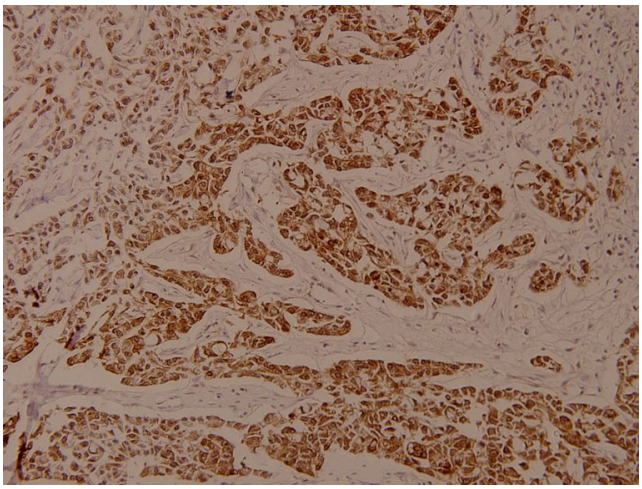
Synonyms: EEF2; EF-2; EF2; Elongation factor 2

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

Product images:



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.