



eEF2 (Phospho-Thr56) Antibody

Catalog No	YP-Ab-10324
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	EEF2 EF2
Immunogen	Synthesized phospho derived from human eEF2 (Phospho-Thr56)
Specificity	This detects endogenous levels of eEF2 (Phospho-Thr56)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000, ELISA 1:10000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:3.6.5.-;EF 2;EF2;EF-2;Elongation factor 2;eEF2;EEF2 EF2;Elongation factor 2 (EF-2)
Observed Band	100kD
Calculated Molecular Weight	100kD
Cell Pathway	Cytoplasm . Nucleus . Phosphorylation by CSK promotes cleavage and SUMOylation-dependent nuclear translocation of the C-terminal cleavage product. .
Tissue Specificity	Brain,Cajal-Retzius cell,Epithelium,Hepatocyte,Ovary,Periph
Function	function:This protein promotes the GTP-dependent translocation of the nascent protein chain from the A-site to the P-site of the ribosome.,PTM:Diphthamide is 2-[3-carboxyamido-3-(trimethyl-ammonio)propyl]histidine. Diphthamide can be ADP-ribosylated by diphtheria toxin and by Pseudomonas exotoxin A., PTM:Phosphorylation by EF-2 kinase completely inactivates EF-2., similarity:Belongs to the GTP-binding elongation factor family. EF-G/EF-2 subfamily.,subunit:Component of the mRNA surveillance SURF complex, at least composed of ERF1, ERF3 (ERF3A or ERF3B), EEF2, UPF1/RENT1, SMG1, SMG8 and SMG9.,



Background

This gene encodes a member of the GTP-binding translation elongation factor family. This protein is an essential factor for protein synthesis. It promotes the GTP-dependent translocation of the nascent protein chain from the A-site to the P-site of the ribosome. This protein is completely inactivated by EF-2 kinase phosphorylation. [provided by RefSeq, Jul 2008],

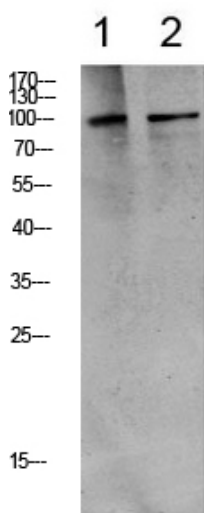
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



1 3T3
2 HEPG2

Western blot analysis of various lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000