



EF-2 Monoclonal Antibody

Catalog No	BYab-16103
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	EEF2
Protein Name	Elongation factor 2
Immunogen	Purified recombinant human EF-2 protein fragments expressed in E.coli.
Specificity	EF-2 Monoclonal Antibody detects endogenous levels of EF-2 protein.
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/1000 - 1/2000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EEF2; EF2; Elongation factor 2; EF-2
Observed Band	
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.,

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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

Western Blot analysis using EF-2 Monoclonal Antibody against HL-60 cell lysate.

