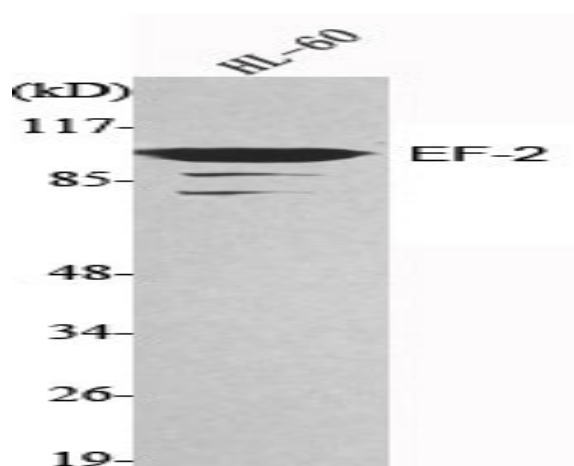


EF-2 Monoclonal Antibody

Catalog No :	YM1032
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	eEF2
Fields :	>>AMPK signaling pathway;>>Oxytocin signaling pathway
Gene Name :	EEF2
Protein Name :	Elongation factor 2
Human Gene Id :	1938
Human Swiss Prot No :	P13639
Mouse Gene Id :	13629
Mouse Swiss Prot No :	P58252
Rat Gene Id :	29565
Rat Swiss Prot No :	P05197
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 :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:1000 - 1:2000. Not yet tested in other applications.
Purification :	Affinity purification

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	95kD
Cell Pathway :	AMPK
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],
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.,
Subcellular Location :	Cytoplasm . Nucleus . Phosphorylation by CSK promotes cleavage and SUMOylation-dependent nuclear translocation of the C-terminal cleavage product. .
Expression :	Brain,Cajal-Retzius cell,Epithelium,Hepatocyte,Ovary,Periph

Products Images



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