

EF-2 Monoclonal Antibody

YM1032 **Catalog No:**

Human; Mouse; Rat Reactivity:

Applications: WB

Target: eEF2

Fields: >>AMPK signaling pathway;>>Oxytocin signaling pathway

Gene Name: EEF2

Protein Name: Elongation factor 2

P13639

P58252

Human Gene Id: 1938

Human Swiss Prot

No:

Mouse Gene Id: 13629

Mouse Swiss Prot

No:

Rat Gene Id: 29565

Rat Swiss Prot No: P05197

Immunogen: Purified recombinant human EF-2 protein fragments expressed in E.coli.

EF-2 Monoclonal Antibody detects endogenous levels of EF-2 protein. **Specificity:**

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

1/2

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

phosporylation. [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.,

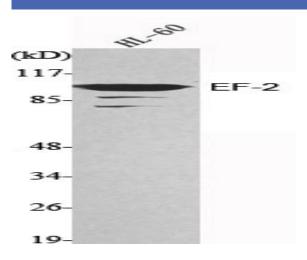
Subcellular Location:

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.