

## eEF2 mouse mAb

<b>Catalog No :</b>	YM1295
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	eEF2
<b>Fields :</b>	>>AMPK signaling pathway;>>Oxytocin signaling pathway
<b>Gene Name :</b>	eef2
<b>Human Gene Id :</b>	1938
<b>Human Swiss Prot No :</b>	P13639
<b>Mouse Swiss Prot No :</b>	P58252
<b>Immunogen :</b>	Purified recombinant human eEF2 protein fragments expressed in E.coli.
<b>Specificity :</b>	This antibody detects endogenous levels of eEF2 and does not cross-react with related proteins.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	wb 1:5000 icc 1:200
<b>Purification :</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	95kD

**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.,

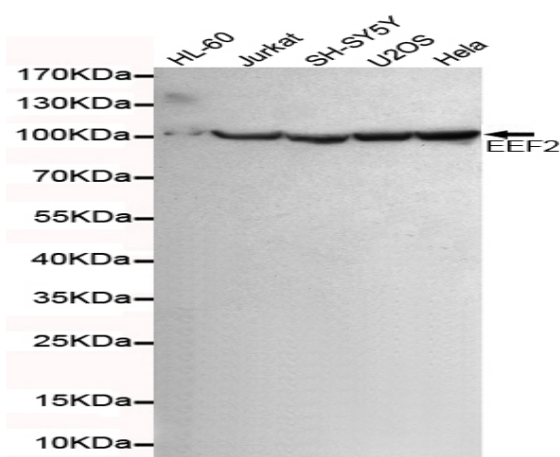
**Subcellular Location :**

Cytoplasm . Nucleus . Phosphorylation by CSK promotes cleavage and SUMOylation-dependent nuclear translocation of the C-terminal cleavage product. .

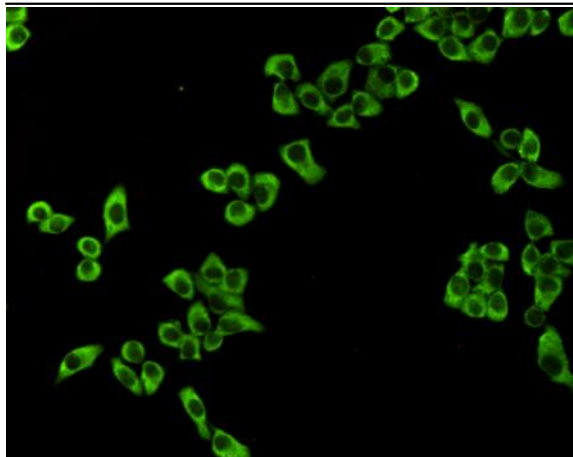
**Expression :**

Brain,Cajal-Retzius cell,Epithelium,Hepatocyte,Ovary,Periph

## Products Images



Western blot detection of eEF2 in HL-60, Jurkat, SH-SY-5Y, U2OS and HeLa cell lysates using eEF2 mouse mAb (1:5000 diluted). Predicted band size: 95KDa. Observed band size: 95KDa. Exposure time: 15s.



Immunocytochemistry staining of HeLa cells fixed with  $-20^{\circ}\text{C}$  Methanol and using anti-eEF2 mouse mAb (dilution 1:200).