

eEF2 (Phospho Thr56) Antibody

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|------------------------------|---|
| Catalog No : | YP1215 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB;ELISA |
| Target : | eEF2 |
| Fields : | >>AMPK signaling pathway;>>Oxytocin signaling pathway |
| Gene Name : | EEF2 EF2 |
| Protein Name : | Elongation factor 2 (EF-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 : | 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 |
| Dilution : | WB 1:500-2000, ELISA 1:10000-20000 |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity- |

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 100kD

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

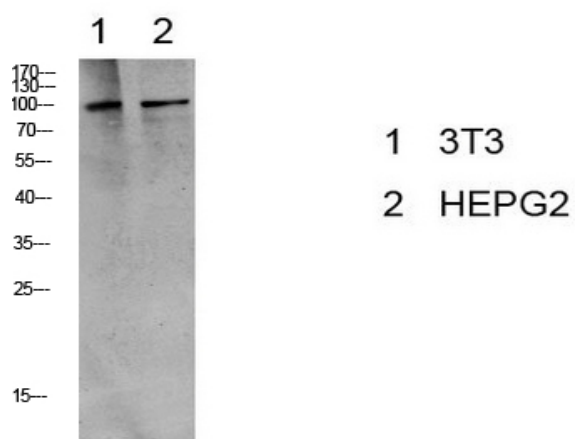
Tag : hot

Sort : 5414

No2 : 2331S

No4 : 1

Products Images



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