

eEF2 (Phospho Thr56) Rabbit pAb

CatalogNo: YP1215

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 100kD (Observed)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:10000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho derived from human eEF2 (Phospho-Thr56)

Specificity This detects endogenous levels of eEF2 (Phospho-Thr56). The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): RFtDT

Target Information

Gene name EEF2 EF2

Protein Name Elongation factor 2 (EF-2)

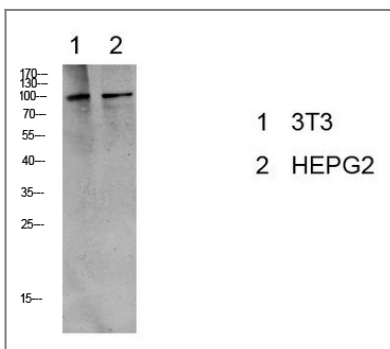
Organism	Gene ID	UniProt ID
Human	1938;	P13639;
Mouse	13629;	P58252;
Rat	29565;	P05197;

Cellular Localization 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.

Validation Data



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

Contact information

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