

EF-1 α 1/2 (Acetyl Lys146) Rabbit pAb

CatalogNo: YK0131

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 51kD (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 1:1000-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human EF-1 α 1/2 (Acetyl Lys146)

Specificity This antibody detects endogenous levels of Human, Mouse, Rat EF-1 α 1/2 (Acetyl Lys146). 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):GVKQL

Target Information

Gene name EEF1A1 EEF1A EF1A LENG7

Protein Name EF-1 α 1/2 (Acetyl Lys146)

Organism	Gene ID	UniProt ID
Human	1915 ;	P68104 ; Q05639 ; Q5VTE0 ;
Mouse	13627 ;	P10126 ;
Rat	171361 ;	P62630 ;

Cellular Localization

Cytoplasm . Nucleus . Nucleus , nucleolus . Cell membrane . Colocalizes with DLC1 at actin-rich regions in the cell periphery (PubMed:19158340) . Translocates together with ZPR1 from the cytoplasm to the nucleus and nucleolus after treatment with mitogens (PubMed:8650580) . Localization at the cell membrane depends on EEF1A1 phosphorylation status and the presence of PPP1R16B (PubMed:26497934) . .

Tissue specificity Brain , placenta , lung , liver , kidney , pancreas but barely detectable in heart and skeletal muscle.

Function

Caution:Could be the product of a pseudogene. ,Function:This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. ,similarity:Belongs to the GTP-binding elongation factor family. EF-Tu/EF-1A subfamily. ,subunit:Found in a nuclear export complex with XPO5 , EEF1A1 , Ran and aminoacylated tRNA. Interacts with XPO5. May interact with ERGIC2. ,tissue specificity:Brain , placenta , lung , liver , kidney , pancreas but barely detectable in heart and skeletal muscle. ,

Validation Data

Contact information

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