

## EF-1 $\alpha$ 1/2 (Acetyl Lys41) Rabbit pAb

CatalogNo: YK0028

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA

#### MW

- 50kD (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 1:500-1:2000**

**ELISA 1:20000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized Acetyl-peptide derived from human EEF1A around the Acetylation site of Lys41. AA range:1-50

**Specificity** Acetyl-EF-1  $\alpha$ 1/2 (K41) Polyclonal Antibody detects endogenous levels of EF-1  $\alpha$ 1/2 protein only when acetylated at K41. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):IEkFE

## Target Information

**Gene name** EEF1A1/EEF1A2/EEF1A1P5

**Protein Name** Elongation factor 1-alpha 1/Elongation factor 1-alpha 2/Putative elongation factor 1-alpha-like 3

Organism	Gene ID	UniProt ID
Human	<a href="#">1915;</a>	<a href="#">P68104;</a>
Mouse	<a href="#">13627;</a>	<a href="#">P10126;</a>
Rat	<a href="#">171361;</a>	<a href="#">P62630;</a>

### Cellular Localization

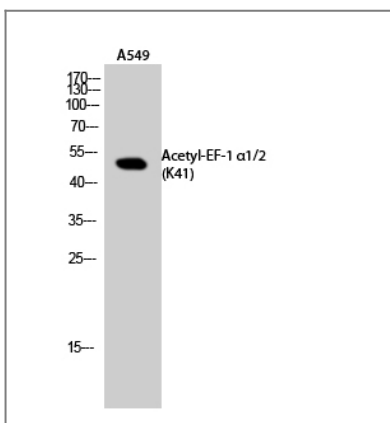
Cytoplasm . Nucleus . Nucleus, nucleolus . Cell membrane . Colocalizes with DLC1 at actin-rich regions in the cell periphery (PubMed:19158340). Translocates together with ZPR1 from the cytoplasm to the nucleus and nucleolus after treatment with mitogens (PubMed:8650580). Localization at the cell membrane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



Western Blot analysis of A549 cells using Acetyl-EF-1  $\alpha$ 1/2 (K41) Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

## Contact information

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Please scan the QR code to access additional product information:  
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