

eEF2 (Phospho Thr56) Rabbit pAb

CatalogNo: YP0870 **Orthogonal Validated** 

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, 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 1:500-1:2000

IHC 1:100-1:300

IF 1:200-1:1000

ELISA 1:10000

Not yet tested in other applications.

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human eEF2 around the phosphorylation site of Thr56. AA range:31-80

Specificity

Phospho-EF-2 (T56) Polyclonal Antibody detects endogenous levels of EF-2 protein only when phosphorylated at T56. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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

Protein Name Elongation factor 2

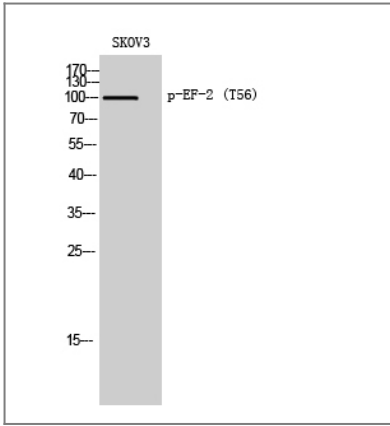
Organism	Gene ID	UniProt ID
Human	1938 ;	P13639 ;
Mouse	13629 ;	P58252 ;
Rat	29565 ;	P05197 ;

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

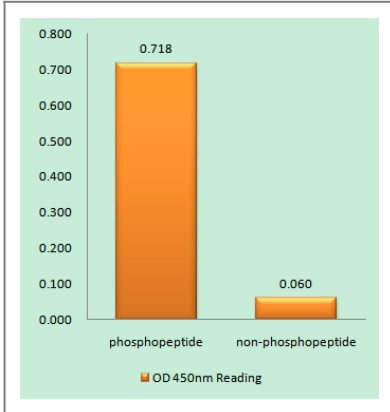
Tissue specificity Brain ,Cajal-Retzius cell ,Epithelium ,Hepatocyte ,Ovary ,Periph

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. ,

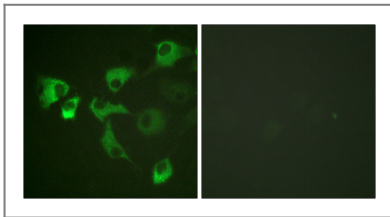
Validation Data



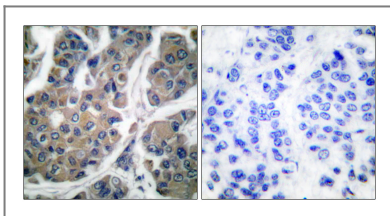
Western Blot analysis of SKOV3 cells using Phospho-EF-2 (T56) Polyclonal Antibody diluted at 1:2000



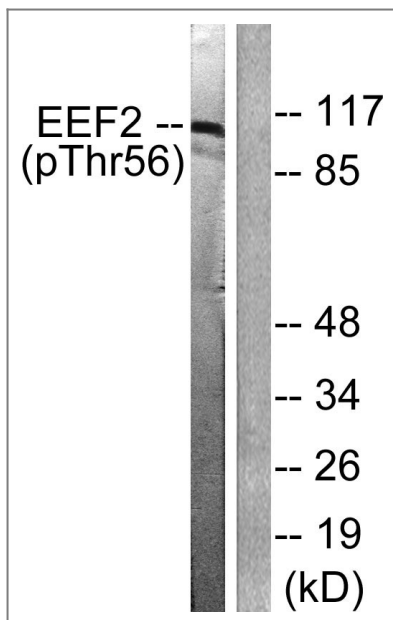
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using eEF2 (Phospho-Thr56) Antibody



Immunofluorescence analysis of HUVEC cells, using eEF2 (Phospho-Thr56) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using eEF2 (Phospho-Thr56) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from NIH/3T3 cells treated with Serum 10% 30', using eEF2 (Phospho-Thr56) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
eEF2 (Phospho Thr56) Rabbit pAb

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