

eEF2K (Phospho Ser359) Rabbit pAb

CatalogNo: YP1093

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, IF, ELISA

MW

- 82kD (Calculated)

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

IHC 1:100-1:300

ELISA 1:20000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human eEF2K around the phosphorylation site of Ser359. AA range:336-385

Specificity Phospho-eEF2K (S359) Polyclonal Antibody detects endogenous levels of eEF2K protein only when phosphorylated at S359. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):GsPRV

Target Information

Gene name EEF2K
Protein Name Eukaryotic elongation factor 2 kinase

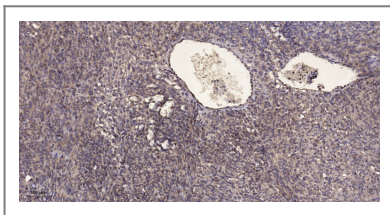
Organism	Gene ID	UniProt ID
Human	29904;	O00418;
Mouse	13631;	O08796;
Rat	25435;	P70531;

Cellular Localization cytoplasm,cytosol,postsynaptic density,

Tissue specificity Epithelium,Glial tumor,Lymph,T-cell,

Function Catalytic activity:ATP + [elongation factor 2] = ADP + [elongation factor 2] phosphate.,enzyme regulation:Undergoes calcium/calmodulin-dependent intramolecular autophosphorylation, and this results in it becoming partially calcium/calmodulin-independent.,Function:Phosphorylates eukaryotic elongation factor-2. Binds calmodulin.,similarity:Belongs to the protein kinase superfamily. Alpha-type protein kinase family.,similarity:Contains 1 alpha-type protein kinase domain.,subunit:Monomer or homodimer .,

Validation Data



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min).

Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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