

# cGKII (Phospho Ser126) Rabbit pAb

CatalogNo: YP1056

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB, IHC, IF, ELISA

### MW

- 87kD (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**

**WB 1:1000-1:5000**

**ELISA 1:5000**

**IF 1:50-200**

## Basic Information

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human PKG2 around the phosphorylation site of Ser126. AA range:92-141

**Specificity** Phospho-cGKII (S126) Polyclonal Antibody detects endogenous levels of cGKII protein only when phosphorylated at S126. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):GVSAE

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## | Target Information

**Gene name** PRKG2

**Protein Name** cGMP-dependent protein kinase 2

Organism	Gene ID	UniProt ID
Human	<a href="#">5593</a> ;	<a href="#">Q13237</a> ;
Mouse		<a href="#">Q61410</a> ;
Rat	<a href="#">25523</a> ;	<a href="#">Q64595</a> ;

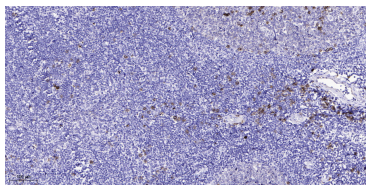
**Cellular Localization** Apical cell membrane ; Lipid-anchor .

**Tissue specificity** Highly concentrated in brain, lung and intestinal mucosa.

**Function** Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Binding of cGMP results in enzyme activation.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. cGMP subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 2 cyclic nucleotide-binding domains.,tissue specificity:Highly concentrated in brain, lung and intestinal mucosa.,

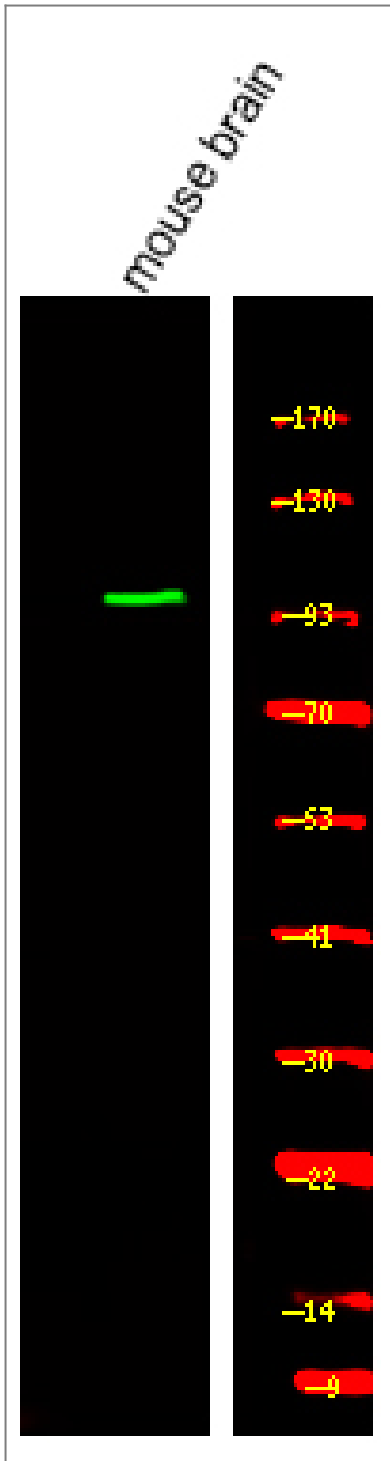
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## | Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsil. 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).

Western Blot analysis of various, using primary antibody at 1:1000 dilution.  
Secondary antibody (catalog#:RS23920) was diluted at 1:10000



## Contact information

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**cGKII (Phospho  
Ser126) Rabbit pAb**

