

## cGKII Rabbit pAb

CatalogNo: YT0891

Orthogonal Validated 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 87kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000****IHC 1:100-1:300****ELISA 1:40000****IF 1:50-200**

### 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.

### Basic Information

**Clonality** Polyclonal

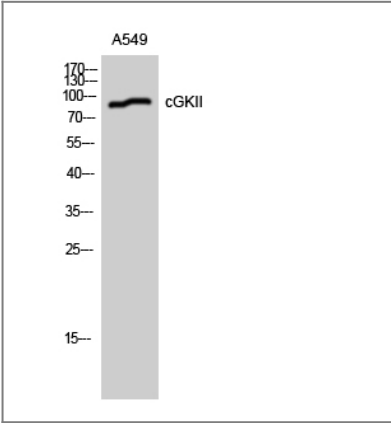
### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human PKG2. AA range: 92-141**Specificity** cGKII Polyclonal Antibody detects endogenous levels of cGKII protein.

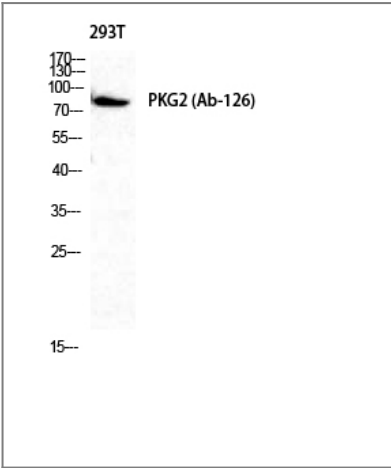
### Target Information

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.,		

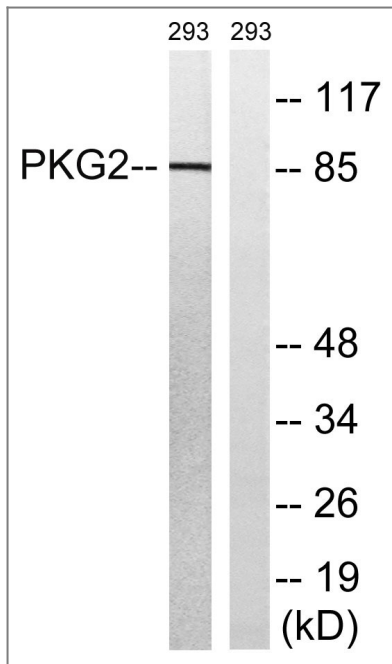
| Validation Data



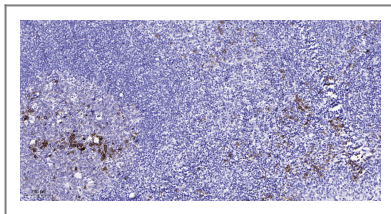
Western Blot analysis of A549 cells using cGKII Polyclonal Antibody diluted at 1:1000



Western Blot analysis of 293T cells using cGKII Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from 293 cells, treated with anisomycin 25ug/ml 30', using PKG2 Antibody. The lane on the right is blocked with the synthesized peptide.



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

## Contact information

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Please scan the QR code to access additional product information:  
**cGKII Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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