

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

| 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

ELISA 1:40000

IF 1:50-200

| 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

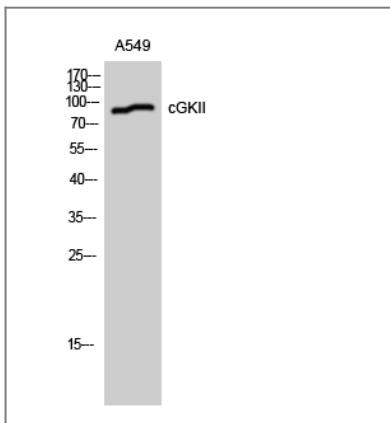
Organism	Gene ID	UniProt ID
Human	5593 ;	Q13237 ;
Mouse		Q61410 ;
Rat	25523 ;	Q64595 ;

Cellular Localization Apical cell membrane ; Lipid-anchor .

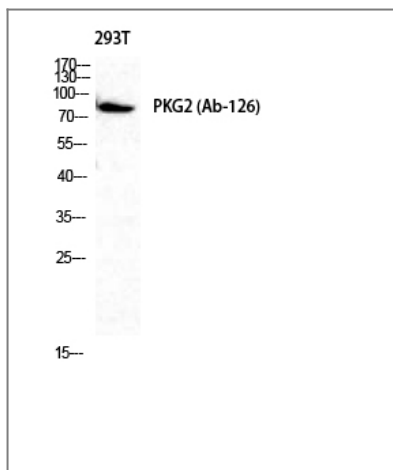
Tissue specificity Highly concentrated in brain, lung and intestinal mucosa.

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.,

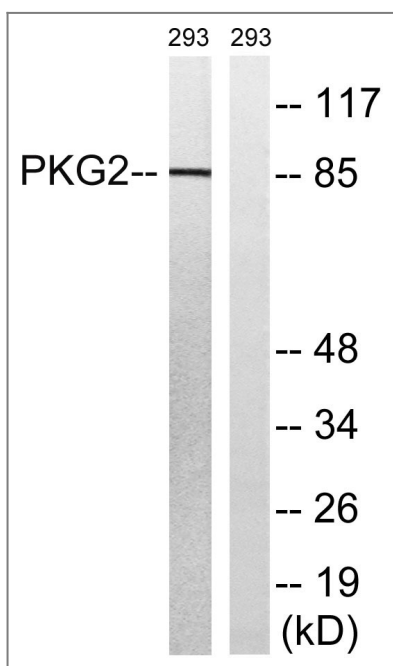
Validation Data



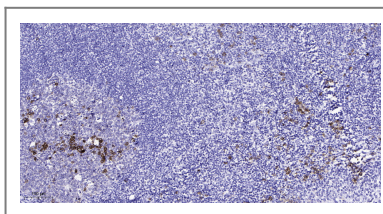
Western Blot analysis of A549 cells using cGKII Polyclonal Antibody diluted at 1:1000



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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