

For Research Use Only

# PRKG2 Polyclonal antibody

Catalog Number: 55138-1-AP

Featured Product

12 Publications



## Basic Information

### Catalog Number:

55138-1-AP

### Concentration:

1000 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_006259

### GeneID (NCBI):

5593

### UNIPROT ID:

Q13237

### Full Name:

protein kinase, cGMP-dependent, type II

### Calculated MW:

87 kDa

### Observed MW:

85-90 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : human colon tissue, human lung tissue

IF/ICC : HUVEC cells, C6 cells

## Background Information

PRKG2, also named as PRKGR2 and cGK2, belongs to the protein kinase superfamily, AGC Ser/Thr protein kinase family and cGMP subfamily. It catalyses the reaction: ATP + a protein = ADP + a phosphoprotein. The antibody is specific to PRKG2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jun Wang	34745942	Front Oncol	WB
Tian Xiang	33542225	Cell Death Dis	WB
Yi-Wei Shen	36610352	Phytomedicine	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

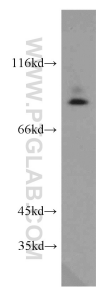
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

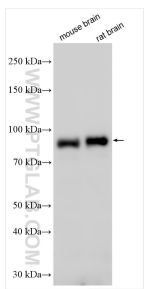
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

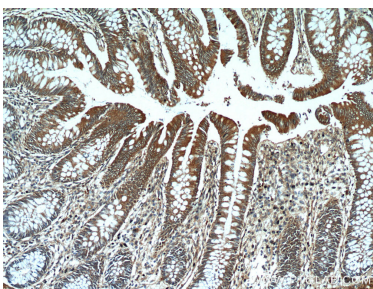
Selected Validation Data



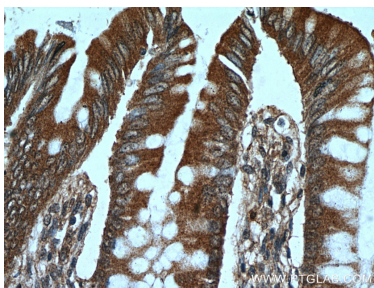
mouse brain tissue were subjected to SDS PAGE followed by western blot with 55138-1-AP (PRKG2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



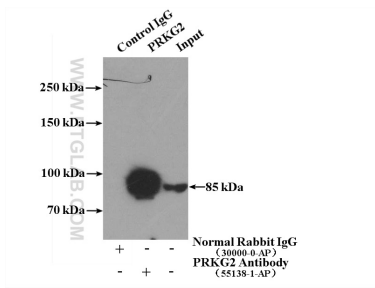
Various lysates were subjected to SDS PAGE followed by western blot with 55138-1-AP (PRKG2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



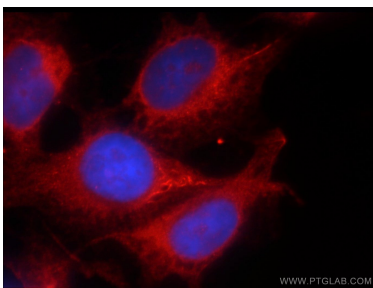
Immunohistochemical analysis of paraffin-embedded human colon using 55138-1-AP (PRKG2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon using 55138-1-AP (PRKG2 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-PRKG2 (IP:55138-1-AP, 4ug; Detection:55138-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of HUVEC cells using 55138-1-AP (PRKG2 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.