

For Research Use Only

PRKG2 Polyclonal antibody

Catalog Number: 55138-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

55138-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;

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 ug 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

*** 20ul sizes contain 0.1% BSA

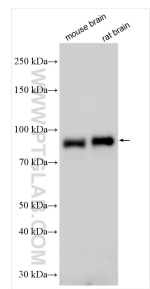
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

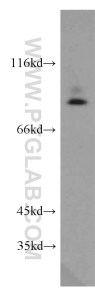
E: proteintech@ptglab.com
W: ptglab.com

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

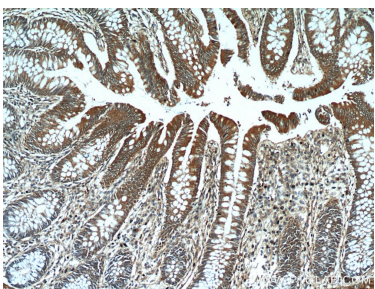
Selected Validation Data



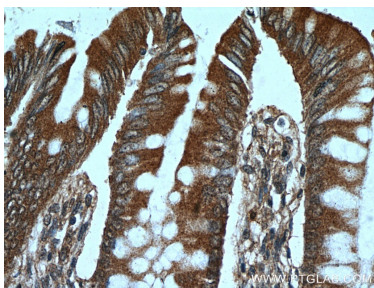
Various lysates were subjected to SDS PAGE followed by western blot with 55138-1-AP (PRKG2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



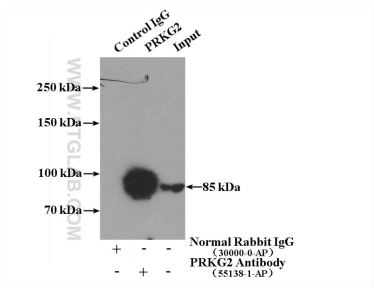
mouse brain tissue were subjected to SDS PAGE followed by western blot with 55138-1-AP (PRKG2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



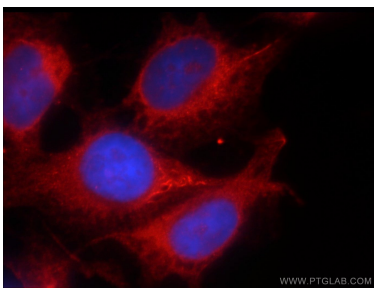
Immunohistochemical analysis of paraffin-embedded human colon using 55138-1-AP (PRKG2 antibody) at dilution of 1:50 (under 10x lens).



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.