

For Research Use Only

# PRKAR2B Polyclonal antibody

Catalog Number: 28351-1-AP **1 Publications**



## Basic Information

**Catalog Number:**

28351-1-AP

**Size:**

150ul , Concentration: 650 µg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG28787

**GenBank Accession Number:**

BC075800

**GeneID (NCBI):**

5577

**UNIPROT ID:**

P31323

**Full Name:**

protein kinase, cAMP-dependent, regulatory, type II, beta

**Calculated MW:**

418 aa, 46 kDa

**Observed MW:**

46-50 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

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

IF 1:200-1:800

## Applications

**Tested Applications:**

FC, IF, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

Human, mouse, rat

**Cited Species:**

mouse

**Positive Controls:**

WB : Y79 cells, human testis tissue, mouse brain tissue, mouse eye tissue, rat brain tissue, mouse testis tissue

IP : mouse brain tissue,

IF : Neuro-2a cells, SH-SY5Y cells

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Enyi Zhu	38332898	J Inflamm Res	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

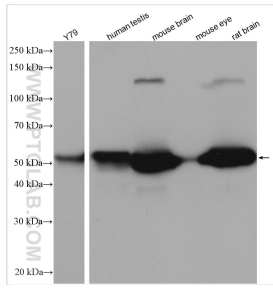
For technical support and original validation data for this product please contact:

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

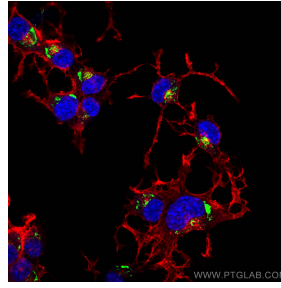
E: proteintech@ptglab.com  
W: ptglab.com

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

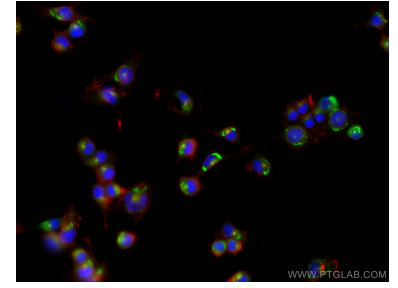
## Selected Validation Data



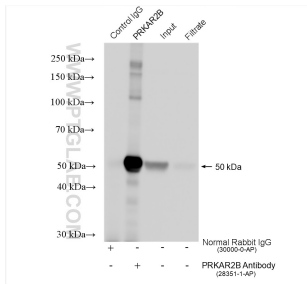
Various lysates were subjected to SDS PAGE followed by western blot with 28351-1-AP (PRKAR2B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



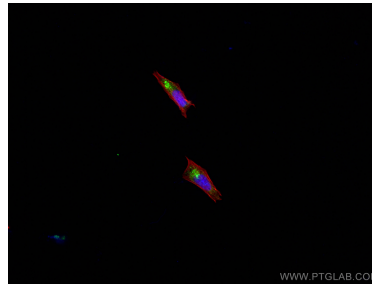
Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using PRKAR2B antibody (28351-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using PRKAR2B antibody (28351-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP result of anti-PRKAR2B (IP:28351-1-AP, 4ug; Detection:28351-1-AP 1:1000) with mouse brain tissue lysate 1080 ug.



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using PRKAR2B antibody (28351-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1X10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.4 ug Anti-Human PRKAR2B (28351-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).