

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 ug/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

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

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

IP : mouse brain tissue,

IHC : human stomach tissue,

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

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

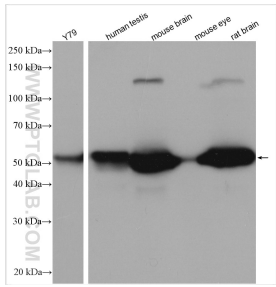
For technical support and original validation data for this product please contact:

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

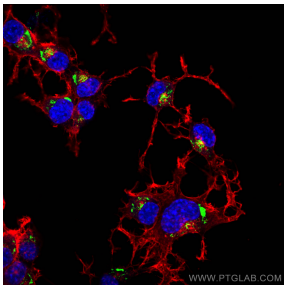
E: proteintech@ptglab.com
W: ptglab.com

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

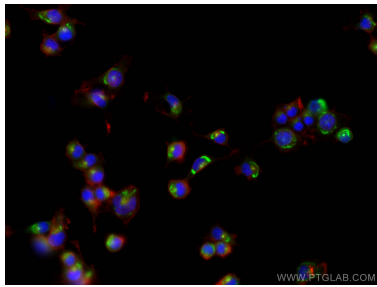
Selected Validation Data



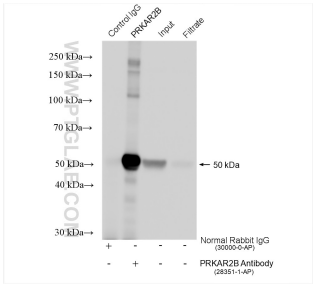
Various lysates were subjected to SDS PAGE followed by western blot with 28351-1-AP (PRKAR2B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



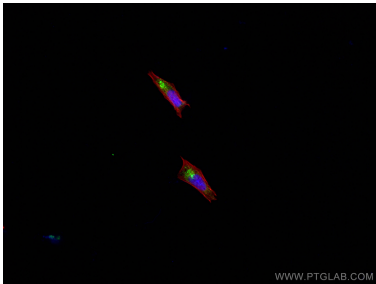
Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using PRKAR2B antibody (28351-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



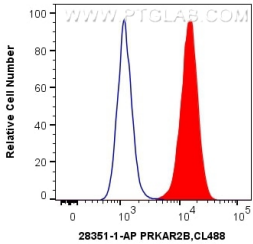
Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using PRKAR2B antibody (28351-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



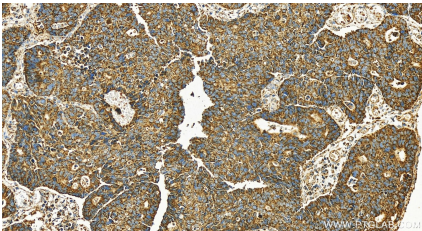
IP result of anti-PRKAR2B (IP:28351-1-AP, 4ug; Detection:28351-1-AP 1:1000) with mouse brain tissue lysate 1080 ug.



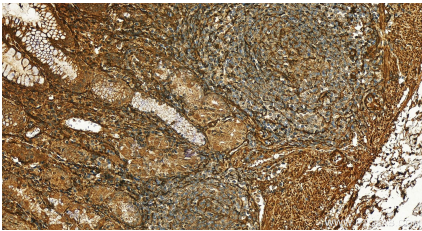
Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using PRKAR2B antibody (28351-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1X10⁶ 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).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 28351-1-AP (PRKAR2B antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 28351-1-AP (PRKAR2B antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).