

For Research Use Only

# PRKACA Polyclonal antibody

Catalog Number: 27398-1-AP

Featured Product

15 Publications



## Basic Information

### Catalog Number:

27398-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG26392

### GenBank Accession Number:

BC039846

### GeneID (NCBI):

5566

### UNIPROT ID:

P17612

### Full Name:

protein kinase, cAMP-dependent, catalytic, alpha

### Calculated MW:

41 kDa

### Observed MW:

38-43 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat, chicken

**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 : HeLa cells, Neuro-2a cells, SH-SY5Y cells

IP : HeLa cells,

IHC : human testis tissue, human heart tissue

IF/ICC : U2OS cells,

## Notable Publications

Author	Pubmed ID	Journal	Application
Qing-Yan Zhang	35850487	Mol Cell Endocrinol	WB
Beibei Zhang	35138149	Microbiol Spectr	WB
Yangmiao Duan	34936872	Cell Rep	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

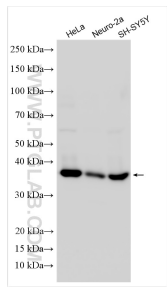
For technical support and original validation data for this product please contact:

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

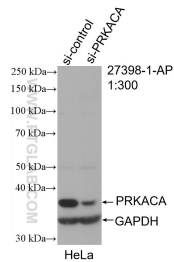
E: proteintech@ptglab.com  
W: ptglab.com

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

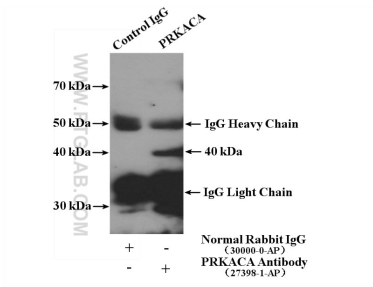
Selected Validation Data



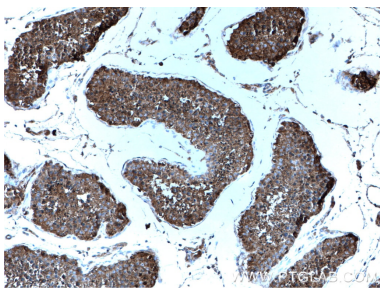
Various lysates were subjected to SDS PAGE followed by western blot with 27398-1-AP (PRKACA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



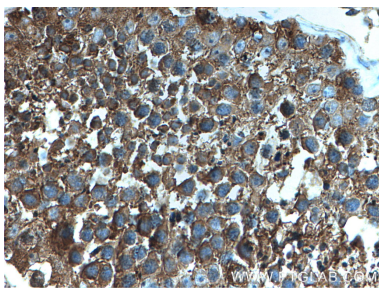
WB result of PRKACA antibody (27398-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-PRKACA transfected HeLa cells.



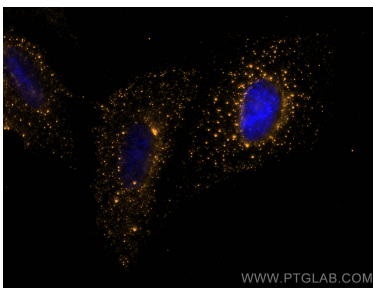
IP result of anti-PRKACA (IP:27398-1-AP, 4ug; Detection:27398-1-AP 1:300) with HeLa cells lysate 2600 ug.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 27398-1-AP (PRKACA antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 27398-1-AP (PRKACA antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using PRKACA antibody (27398-1-AP) at dilution of 1:200 and Cy3-conjugated Affinipure Goat Anti-Rabbit IgG(H+L).