

For Research Use Only

PRKACA Polyclonal antibody

Catalog Number: 27398-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

27398-1-AP

Size:

500 ug/ml

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,

Background Information

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

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

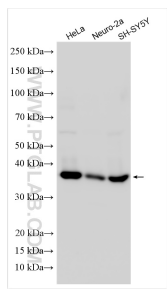
T: 4006900926

E: Proteintech-CN@ptglab.com

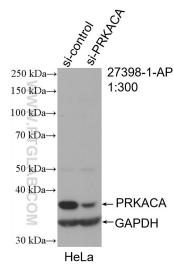
W: ptgcn.com

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

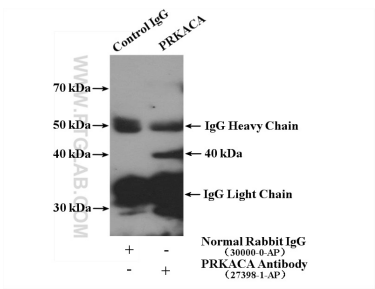
Selected Validation Data



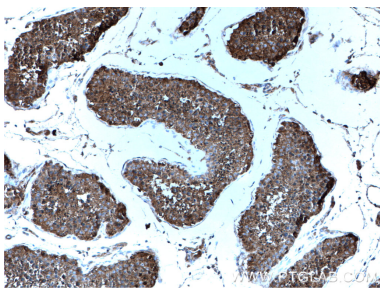
Various lysates were subjected to SDS PAGE followed by western blot with 27398-1-AP (PRKACA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



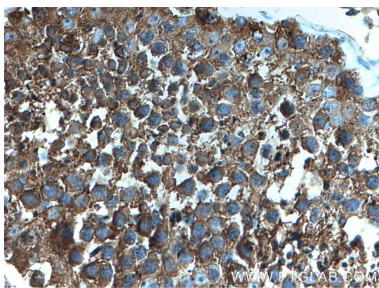
WB result of PRKACA antibody (27398-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-PRKACA transfected HeLa cells.



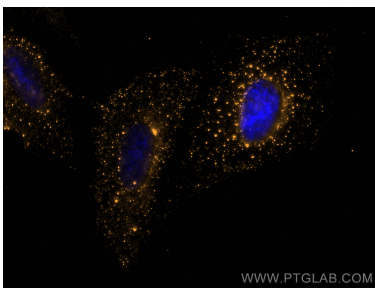
IP result of anti-PRKACA (IP:27398-1-AP, 4ug; Detection:27398-1-AP 1:300) with HeLa cells lysate 2600 ug.



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).