

For Research Use Only

# PRKACA Polyclonal antibody

Catalog Number: 27398-1-AP

Featured Product

10 Publications



## Basic Information

**Catalog Number:**  
27398-1-AP

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

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG26392

**GenBank Accession Number:**  
BC039846

**GeneID (NCBI):**  
5566

**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 µg for IP and 1:200-1:1000 for WB  
IHC 1:50-1:500

## Applications

**Tested Applications:**  
IHC, IP, WB, ELISA

**Cited Applications:**  
IP, WB

**Species Specificity:**  
human, mouse

**Cited Species:**  
human, chicken, rat, 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:** HeLa cells, Neuro-2a cells, SH-SY5Y cells

**IP:** HeLa cells,

**IHC:** human testis tissue, human heart tissue

## 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

\*\*\* 20ul sizes contain 0.1% BSA

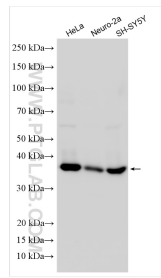
For technical support and original validation data for this product please contact:

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

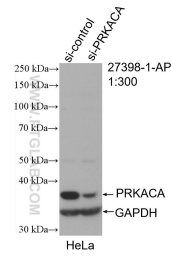
E: proteintech@ptglab.com  
W: ptglab.com

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

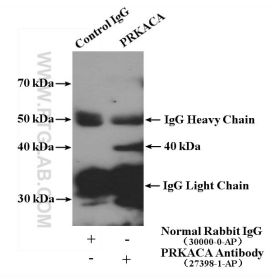
## Selected Validation Data



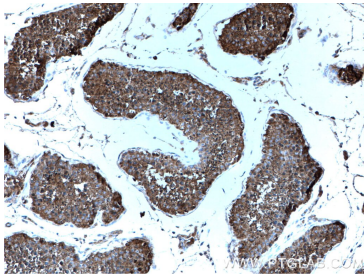
Various lysates were subjected to SDS PAGE followed by western blot with 27398-1-AP (PRKACA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



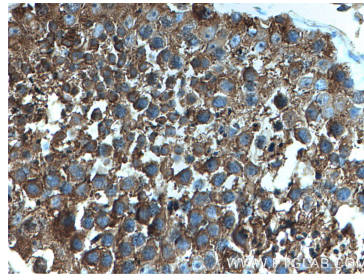
WB result of PRKACA antibody (27398-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-PRKACA transfected HeLa cells.



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).