

# PKA C-alpha specific Polyclonal antibody

Catalog Number: 55388-1-AP

15 Publications

## Basic Information

## Catalog Number:

55388-1-AP

## Size:

150ul, Concentration: 353 µg/ml by Bradford method using BSA as the standard;

## Source:

Rabbit

## Isotype:

IgG

## GenBank Accession Number:

NM\_002730

## 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 1:500-1:1000

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

IHC 1:20-1:200

## Applications

## Tested Applications:

WB, IP, IHC, ELISA

## Cited Applications:

WB, IP, IF, IHC, CoIP

## Species Specificity:

human, mouse

## Cited Species:

human, sheep, 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 : human testis tissue, human liver tissue

IP : mouse brain tissue,

IHC : human colon cancer tissue, human testis tissue

## Background Information

PRKACA, also named as PKACA and PKA C-alpha, belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family and cAMP subfamily. It phosphorylates a large number of substrates in the cytoplasm and the nucleus. This antibody is specific to PRKACA.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhilu Zou	29075536	Neural Plast	WB
Zhenyu Qiu	30365072	Mol Med Rep	WB
Lei Wu	33044778	Phytother Res	WB

## Storage

## Storage:

Store at -20°C.

## 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

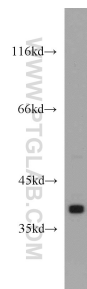
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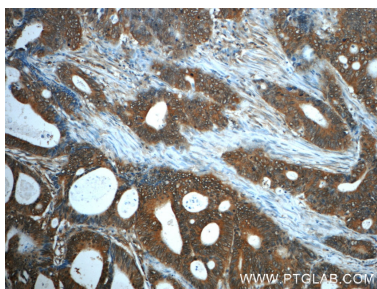
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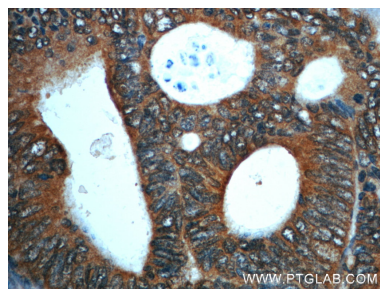
Selected Validation Data



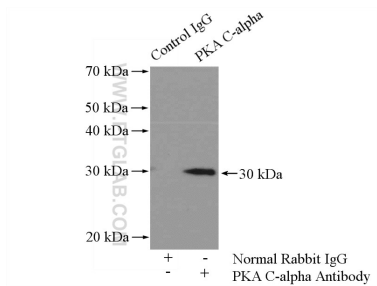
human testis tissue were subjected to SDS PAGE followed by western blot with 55388-1-AP (PKA C- $\alpha$  specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer slide using 55388-1-AP (PKA C- $\alpha$  specific antibody at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human colon cancer slide using 55388-1-AP (PKA C- $\alpha$  specific antibody at dilution of 1:50.



IP result of anti-PKA C- $\alpha$  specific (IP:55388-1-AP, 4 $\mu$ g; Detection:55388-1-AP 1:500) with mouse brain tissue lysate 2640 $\mu$ g.