

For Research Use Only

PKA C-alpha specific Polyclonal ANTIBODY



Catalog Number: 55388-1-AP **5 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

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 IP and 1:500-1:1000 for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : human testis tissue, human liver tissue

IP : mouse brain tissue,

IHC : human colon cancer tissue, human testis tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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
Laura C Hernández-Ramírez	29507682	Oncotarget	

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

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)

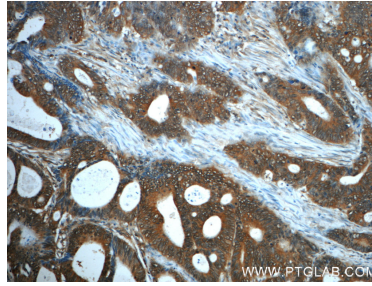
E: proteintech@ptglab.com
W: ptglab.com

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

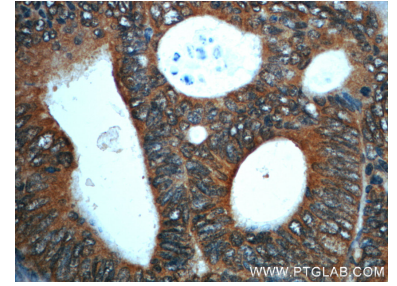
Selected Validation Data



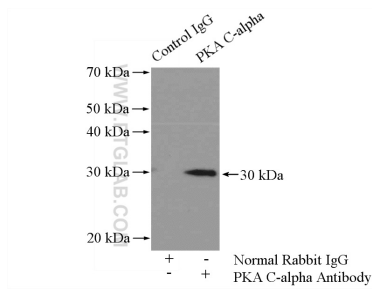
human testis tissue were subjected to SDS PAGE followed by western blot with 55388-1-AP (PKA C-alpha specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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, 4ug; Detection:55388-1-AP 1:500) with mouse brain tissue lysate 2640ug.