

For Research Use Only

PDE2A Polyclonal antibody

Catalog Number: 55306-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

55306-1-AP

Size:

550 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002599

GeneID (NCBI):

5138

UNIPROT ID:

O00408

Full Name:

phosphodiesterase 2A, cGMP-stimulated

Calculated MW:

106 kDa

Observed MW:

100-106 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 : mouse brain tissue, mouse heart tissue

IP : mouse brain tissue,

IHC : human kidney tissue, human liver cancer tissue

Background Information

PDE2A, also named as cGSPDE and CGS-PDE, belongs to the cyclic nucleotide phosphodiesterase family and PDE2 subfamily. It is a cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. This antibody is specific to PDE2A.

Notable Publications

Author	Pubmed ID	Journal	Application
Miguel J Lobo	33087821	Commun Biol	WB, IF
Xiang Gui	36252813	Thromb Haemost	WB
Kun Liu	29720569	JCI Insight	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:

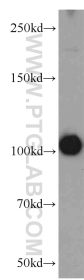
T: 4006900926

E: Proteintech-CN@ptglab.com

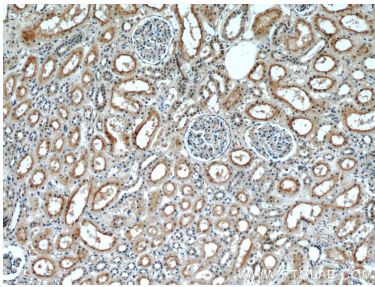
W: ptgcn.com

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

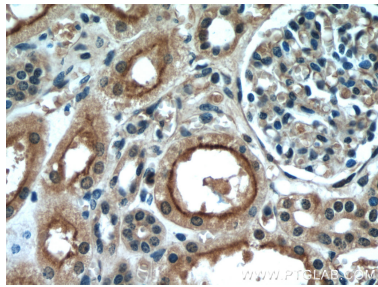
Selected Validation Data



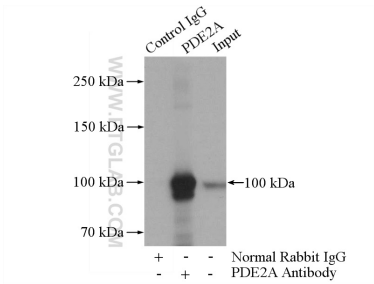
mouse brain tissue were subjected to SDS PAGE followed by western blot with 55306-1-AP (PDE2A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 55306-1-AP (PDE2A antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 55306-1-AP (PDE2A antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-PDE2A (IP:55306-1-AP, 4ug; Detection:55306-1-AP 1:500) with mouse brain tissue lysate 3440ug.