

For Research Use Only

PDE7B Polyclonal antibody

Catalog Number: 17771-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

17771-1-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:

AG12184

GenBank Accession Number:

BC075082

GeneID (NCBI):

27115

Full Name:

phosphodiesterase 7B

Calculated MW:

450 aa, 52 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:20-1:200

IF 1:10-1:100

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

Positive Controls:

WB: HeLa cells, mouse brain tissue

IHC: human brain tissue,

IF: HepG2 cells,

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

PDE7B(cAMP-specific 3',5'-cyclic phosphodiesterase 7B) belongs to the cyclic nucleotide phosphodiesterase family and PDE7 subfamily, which regulate intracellular levels of cAMP and cGMP, cyclic nucleotides that play important roles as second messengers in multiple physiologic processes. PDE7B gene is expressed predominantly in the brain and in a number of other tissues including liver, heart, thyroid glands, and skeletal muscle, but not expressed in blood leukocytes (PMID:12388353).

Notable Publications

Author	Pubmed ID	Journal	Application
Jose A Morales-Garcia	25457552	Neurobiol Aging	WB, IF
Jose A Morales-Garcia	25925836	Stem Cells Transl Med	WB
Jose A Morales-Garcia	27538853	Stem Cells	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)

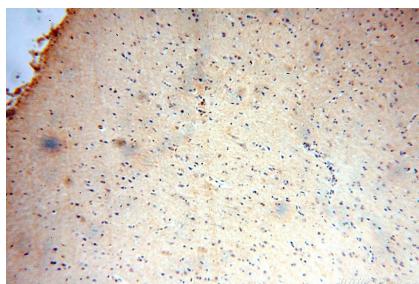
E: proteintech@ptglab.com
W: ptglab.com

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

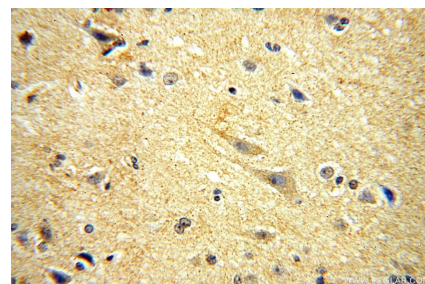
Selected Validation Data



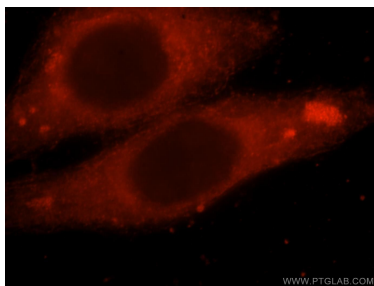
HeLa cells were subjected to SDS PAGE followed by western blot with 17771-1-AP (PDE7B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 17771-1-AP (PDE7B antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 17771-1-AP (PDE7B antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using PDE7B antibody 17771-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).