

For Research Use Only

# PDE4B Polyclonal antibody, PBS Only

Catalog Number: 31730-1-PBS



## Basic Information

**Catalog Number:**

31730-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG35552

**GenBank Accession Number:**

BC105040

**GeneID (NCBI):**

5142

**UNIPROT ID:**

Q07343

**Full Name:**

phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)

**Calculated MW:**

736 aa, 83 kDa

**Observed MW:**

83 kDa

**Purification Method:**

Antigen affinity Purification

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

PDE4B, also known as DPDE4, is a member of the PDE family of type IV cAMP-specific cyclic nucleotides. PDE4B regulates the cellular concentration of cyclic nucleotides and thus plays a role in signal transduction of inflammatory factors. Among all subtypes of PDE4, PDE4B is closely associated with cancer and has a major contribution to the role in hematological malignancies. PDE4B is distributed in multiple tissues, especially myeloid cells (PMID: 35899614, PMID: 36278172).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

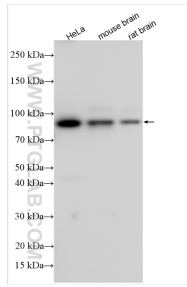
For technical support and original validation data for this product please contact:

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

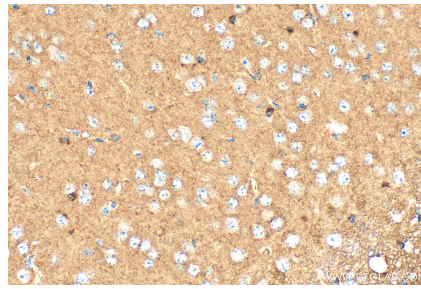
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**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 31730-1-AP (PDE4B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31730-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 31730-1-AP (PDE4B antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31730-1-PBS in a different storage buffer formulation.