

For Research Use Only

# PDE4B Polyclonal antibody

Catalog Number: 31730-1-AP



## Basic Information

<b>Catalog Number:</b> 31730-1-AP	<b>GenBank Accession Number:</b> BC105040	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 600 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5142	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q07343	
<b>Isotype:</b> IgG	<b>Full Name:</b> phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)	
<b>Immunogen Catalog Number:</b> AG35552	<b>Calculated MW:</b> 736 aa, 83 kDa	
	<b>Observed MW:</b> 83 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> 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

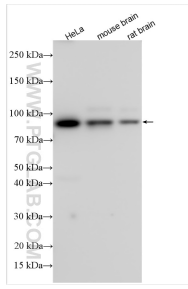
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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

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## 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.