

For Research Use Only

# PDE6D Polyclonal antibody

Catalog Number: 28573-1-AP



## Basic Information

<b>Catalog Number:</b> 28573-1-AP	<b>GenBank Accession Number:</b> NM_002601	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5147	<b>Recommended Dilutions:</b> WB 1:1000-1:5000
<b>Source:</b> Rabbit	<b>Full Name:</b> phosphodiesterase 6D, cGMP-specific, rod, delta	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 17 KDa	
<b>Immunogen Catalog Number:</b> AG29563	<b>Observed MW:</b> 14-17 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells, human placenta tissue, mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

PDE6D, also known as PDED, belongs to the PDE6D/unc-119 family. PDE6D is a ubiquitously expressed prenyl-binding protein. By binding to prenyl moieties, PDE6D mediates the shuttling of prenylated proteins between membranes. Thereby, it regulates the membrane association of Ras and Rap GTPases (PMID: 36672247). In addition, research has shown that PDE6D is overexpressed in liver cancer and correlated with tumor stages, grading, and ERK activation (PMID: 30901922). The calculated molecular weight of PDE6D is 17 kDa.

## Storage

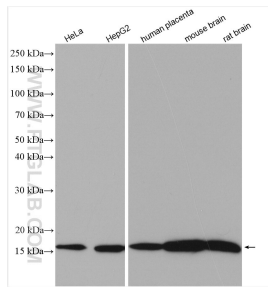
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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 28573-1-AP (PDE6D antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.