

For Research Use Only

# PTGDS Polyclonal antibody

Catalog Number: 10754-2-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 10754-2-AP	<b>GenBank Accession Number:</b> BC005939	<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> 5730	<b>Recommended Dilutions:</b> WB 1:1000-1:3000 IHC 1:250-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P41222	
<b>Isotype:</b> IgG	<b>Full Name:</b> prostaglandin D2 synthase 21kDa (brain)	
<b>Immunogen Catalog Number:</b> AG1163	<b>Calculated MW:</b> 21 kDa	
	<b>Observed MW:</b> 28 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IHC, WB	<b>WB :</b> HeLa cells, human kidney tissue, human plasma, human heart tissue, human colon tissue, PC-3 cells, human urine tissue
<b>Species Specificity:</b> human, mouse	<b>IHC :</b> mouse brain tissue, human lung cancer tissue
<b>Cited Species:</b> human, mouse, pig	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

PGDS(Prostaglandin-H2 D-isomerase) is also named as PTGDS, PDS, PGDS2. It catalyzes the conversion of PGH2 to PGD2, and is a prostaglandin involved in smooth muscle contraction/relaxation and a potent inhibitor of platelet aggregation. It has two N-glycosylation recognition sites.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ruoyao Zou	32617019	Cancer Manag Res	IHC
Yongjie Xu	34336820	Front Cell Dev Biol	WB
Ailan Yin	33550900	Cell Cycle	WB

## Storage

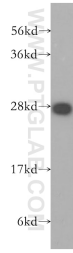
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

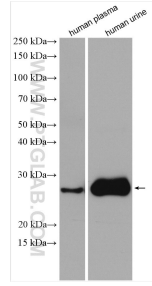
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

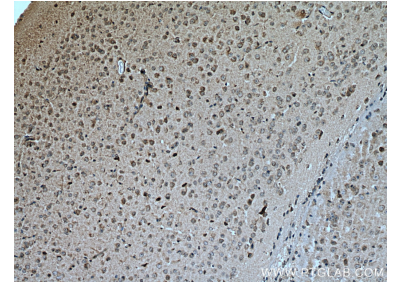
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 10754-2-AP (PTGDS antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 10754-2-AP (PTGDS antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10754-2-AP (PTGDS antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).