

For Research Use Only

# PTGR1 Polyclonal antibody

Catalog Number: 13374-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 13374-1-AP	<b>GenBank Accession Number:</b> BC035228	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 22949	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14914	
<b>Isotype:</b> IgG	<b>Full Name:</b> prostaglandin reductase 1	
<b>Immunogen Catalog Number:</b> AG4196	<b>Calculated MW:</b> 329 aa, 36 kDa	
	<b>Observed MW:</b> 36 kDa	

## Applications

<b>Tested Applications:</b> WB, IP, ELISA	<b>Positive Controls:</b> WB : HeLa cells, human colon tissue, human liver tissue, mouse liver tissue, HepG2 cells, rar liver tissue IP : HepG2 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	

## Background Information

PTGR1(Prostaglandin reductase 1) is also named as LTB4DH(NADP-dependent leukotriene B4 12-hydroxydehydrogenase) and belongs to the NADP-dependent oxidoreductase L4BD family. It catalyses the conversion of leukotriene B4 into biologically less reactive 12-oxo-leukotriene B4, a key step for its inactivation and it is a key oxidation step in the process of metabolic inactivation of leukotriene B(4) in various non-leukocyte tissues(PMID:8576264).

## Notable Publications

Author	Pubmed ID	Journal	Application
Diana Restifo	37552607	Mol Cancer Ther	WB
Vitturi Dario A DA	23878198	J Biol Chem	WB

## Storage

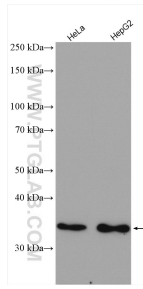
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

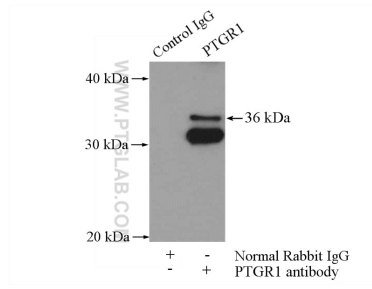
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13374-1-AP (PTGR1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-PTGR1 (IP:13374-1-AP, 4 $\mu$ g; Detection:13374-1-AP 1:500) with HepG2 cells lysate 3200 $\mu$ g.