

For Research Use Only

# PTGR1 Polyclonal antibody

Catalog Number: 13374-1-AP

3 Publications



## Basic Information

### Catalog Number:

13374-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4196

### GenBank Accession Number:

BC035228

### GeneID (NCBI):

22949

### UNIPROT ID:

Q14914

### Full Name:

prostaglandin reductase 1

### Calculated MW:

329 aa, 36 kDa

### Observed MW:

36 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB : HeLa cells, human colon tissue, human liver tissue, mouse liver tissue, HepG2 cells, rat liver tissue

IP : HepG2 cells,

## Background Information

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

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuan Wang	39309426	Int J Biol Sci	WB
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

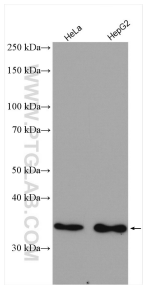
For technical support and original validation data for this product please contact:

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

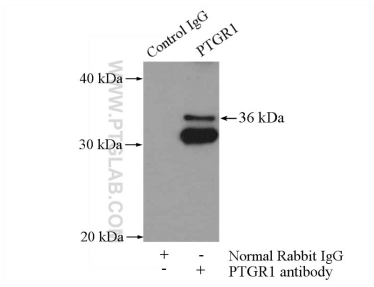
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Selected Validation Data



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, 4ug; Detection:13374-1-AP 1:500) with HepG2 cells lysate 3200ug.