

For Research Use Only

# HPGD Polyclonal antibody

Catalog Number: 11035-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 11035-1-AP	<b>GenBank Accession Number:</b> BC018986	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3248	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> hydroxyprostaglandin dehydrogenase 15-(NAD)	<b>for WB</b> IHC 1:20-1:200 IF 1:50-1:500
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 29 kDa	
<b>Immunogen Catalog Number:</b> AG1499	<b>Observed MW:</b> 25-28 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, WB	<b>WB:</b> human placenta tissue,
<b>Species Specificity:</b> human	<b>IP:</b> human placenta tissue,
<b>Cited Species:</b> human	<b>IHC:</b> human colon cancer tissue, <b>IF:</b> A549 cells,
<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

HPGD, also named as PGDH (15-hydroxyprostaglandin dehydrogenase), a prostaglandin-degrading enzyme that physiologically antagonizes COX-2 (PMID:15574495). HPGD inhibits in vivo proliferation of colon cancer cells (PMID:24760190). HPGD has five isoforms with the molecular mass of 29, 21, 19, 16 and 15 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Huiyuan Pang	36982197	Int J Mol Sci	WB,IHC,IF

## Storage

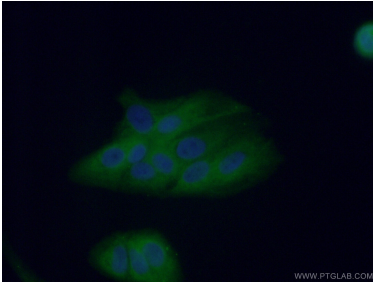
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

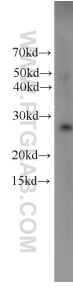
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

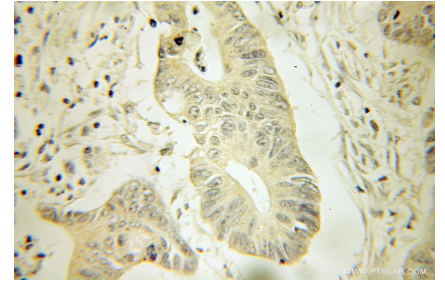
## Selected Validation Data



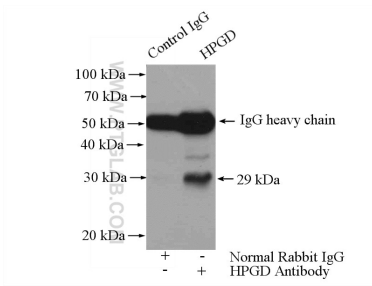
Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using 11035-1-AP (HPGD antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



human placenta tissue were subjected to SDS PAGE followed by western blot with 11035-1-AP (HPGD antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11035-1-AP (HPGD antibody) at dilution of 1:50 (under 25x lens).



IP Result of anti-HPGD (IP:11035-1-AP, 4ug; Detection:11035-1-AP 1:300) with human placenta tissue lysate 4000ug.