

For Research Use Only

HPGD Polyclonal antibody

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



Basic Information

Catalog Number: 11035-1-AP	GenBank Accession Number: BC018986	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3248	Recommended Dilutions: WB 1:200-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: P15428	
Isotype: IgG	Full Name: hydroxyprostaglandin dehydrogenase 15-(NAD)	
Immunogen Catalog Number: AG1499	Calculated MW: 29 kDa	
	Observed MW: 25-28 kDa	

Applications

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

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

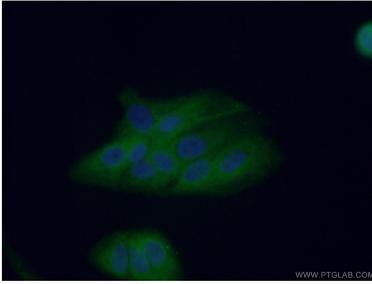
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

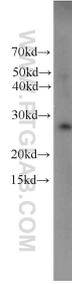
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

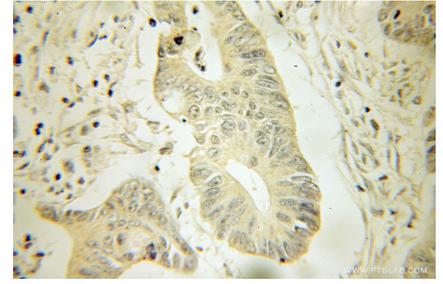
Selected Validation Data



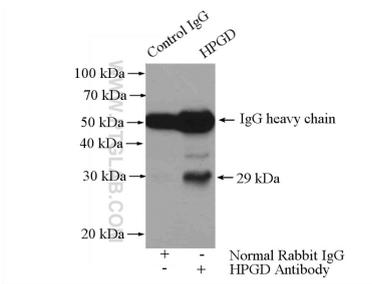
Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using 11035-1-AP (HPGD antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



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.