

For Research Use Only

HPGD Polyclonal antibody

Catalog Number: 11035-1-AP

1 Publications



Basic Information

Catalog Number:

11035-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1499

GenBank Accession Number:

BC018986

GeneID (NCBI):

3248

UNIPROT ID:

P15428

Full Name:

hydroxyprostaglandin dehydrogenase 15-(NAD)

Calculated MW:

29 kDa

Observed MW:

25-28 kDa

Purification Method:

Antigen affinity purification

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

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

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

Positive Controls:

WB : human placenta tissue,

IP : human placenta tissue,

IHC : human colon cancer tissue,

IF/ICC : A549 cells,

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

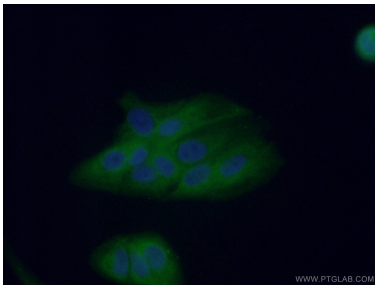
For technical support and original validation data for this product please contact:

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

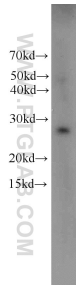
E: proteintech@ptglab.com
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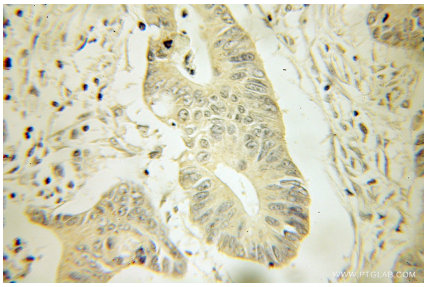
Selected Validation Data



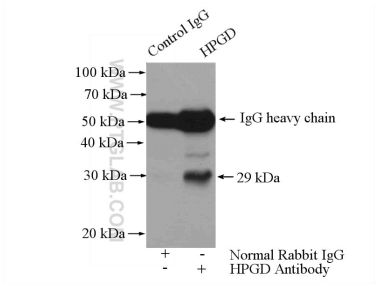
Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using 11035-1-AP (HPGD antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



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.