

For Research Use Only

IDI1 Polyclonal antibody

Catalog Number: 11166-2-AP **6 Publications**



Basic Information

Catalog Number:

11166-2-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1636

GenBank Accession Number:

BC019227

GeneID (NCBI):

3422

UNIPROT ID:

Q13907

Full Name:

isopentenyl-diphosphate delta isomerase 1

Calculated MW:

31 kDa

Observed MW:

28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:3000

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

IHC 1:4000-1:16000

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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: LO2 cells, human liver tissue, mouse liver tissue

IP: mouse liver tissue,

IHC: human prostate cancer tissue, human colon cancer tissue, human liver tissue

Background Information

IDI1 (Isopentenyl-diphosphate Delta-isomerase 1) is a peroxisomally-localized enzyme that catalyzes the interconversion of isopentenyl diphosphate (IPP) to its highly electrophilic isomer, dimethylallyl diphosphate (DMAPP). It belongs to the IPP isomerase type 1 family. This protein has 2 isoforms produced by alternative splicing with the molecular weight of 26 kDa and 32 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
King Frank W FW	19789631	PLoS One	WB
Audrey Basque	36279966	Toxicol In Vitro	WB
Henrick Horita	29786648	Proteomes	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

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

T: 4006900926

E: Proteintech-CN@ptglab.com

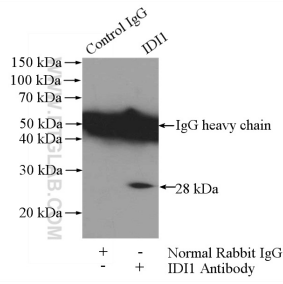
W: ptgcn.com

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

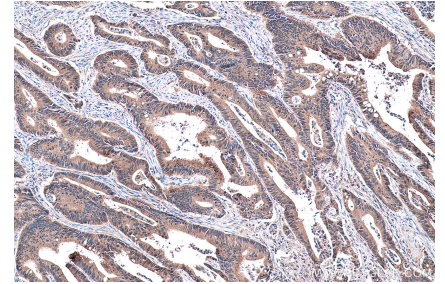
Selected Validation Data



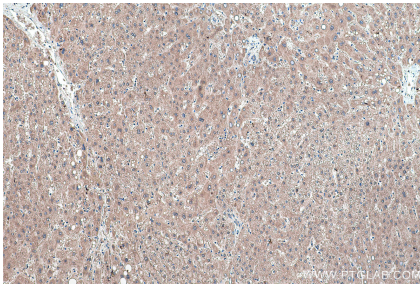
L02 cells were subjected to SDS PAGE followed by western blot with 11166-2-AP (IDI1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-IDI1 (IP:11166-2-AP, 4ug; Detection:11166-2-AP 1:300) with mouse liver tissue lysate 4000ug.



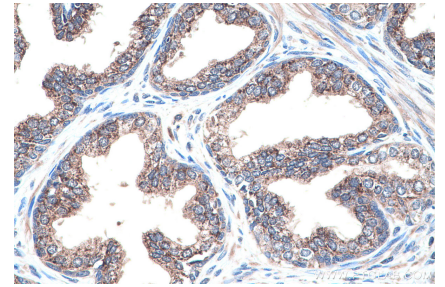
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11166-2-AP (IDI1 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 11166-2-AP (IDI1 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11166-2-AP (IDI1 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11166-2-AP (IDI1 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).