For Research Use Only

IDI1 Polyclonal antibody

Catalog Number:11166-2-AP 6 Publications

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Basic Information

Catalog Number:
11166-2-AP

Size:
150ul , Concentration: 500 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate
IHC 1:4000-1:16000

Applications

Tested Applications:
WB, IP, IHC, 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 : L02 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

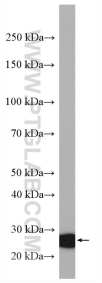
Storage

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

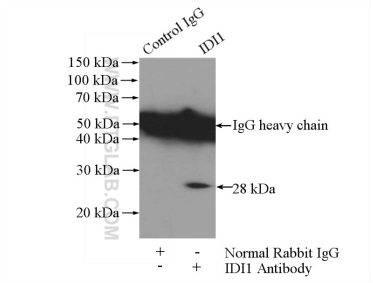
*** 20ul sizes contain 0.1% BSA

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

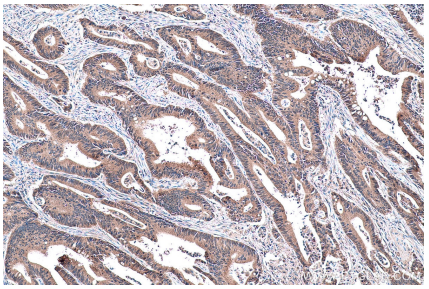
Selected Validation Data



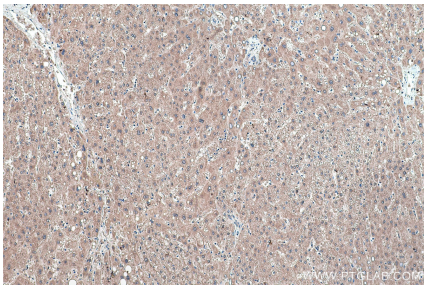
L02 cells were subjected to SDS PAGE followed by western blot with 11166-2-AP (IDI1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



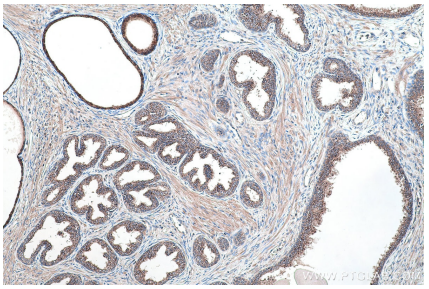
IP result of anti-IDI1 (IP:11166-2-AP, 4ug; Detection:11166-2-AP 1:300) with mouse liver tissue lysate 4000ug.



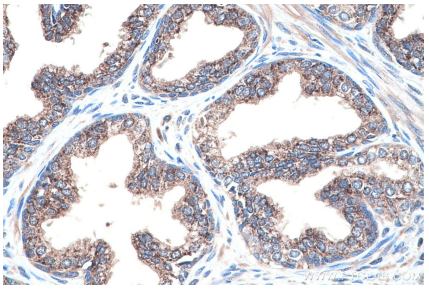
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11166-2-AP (IDI1 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).