

For Research Use Only

PNPLA4 Polyclonal antibody

Catalog Number: 25469-1-AP

1 Publications



Basic Information

Catalog Number:

25469-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 427 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22091

GenBank Accession Number:

BC020746

GeneID (NCBI):

8228

UNIPROT ID:

P41247

Full Name:

patatin-like phospholipase domain containing 4

Calculated MW:

253 aa, 28 kDa

Observed MW:

28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

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 : HeLa cells,

IP : HeLa cells,

IHC : human cervical cancer tissue,

Background Information

PNPLA4 (Patatin-like phospholipase domain-containing protein 4) is also named as DXS1283E, GS2. It participate in triacylglycerol hydrolysis and the acyl-CoA independent transacylation of acylglycerols, there by facilitating energy mobilization and storage in adipocytes. This protein has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Ryuta Sugihara	37524709	Nat Commun	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

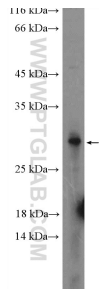
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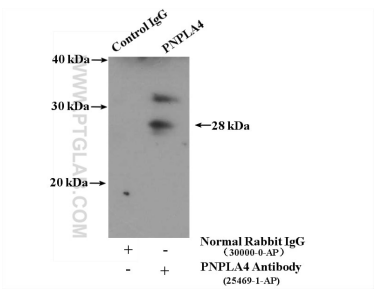
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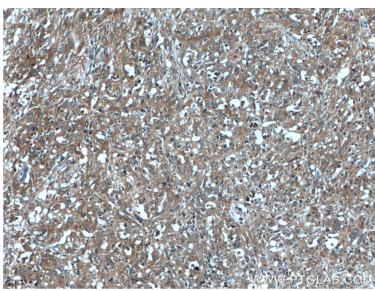
Selected Validation Data



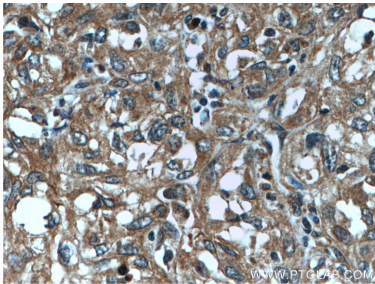
HeLa cells were subjected to SDS PAGE followed by western blot with 25469-1-AP (PNPLA4 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-PNPLA4 (IP:25469-1-AP, 4ug; Detection:25469-1-AP 1:300) with HeLa cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 25469-1-AP (PNPLA4 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 25469-1-AP (PNPLA4 antibody) at dilution of 1:200 (under 40x lens).