

For Research Use Only

PCMT1 Polyclonal antibody

Catalog Number: 10519-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

10519-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0811

GenBank Accession Number:

BC008748

GeneID (NCBI):

5110

UNIPROT ID:

P22061

Full Name:

protein-L-isoaspartate (D-aspartate)
O-methyltransferase

Calculated MW:

25 kDa

Observed MW:

25-28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:20-1:200

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

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: HeLa, HeLa cells, human testis tissue, HEK-293
cells, Raji cells, mouse testis tissue, rat testis tissue

IHC: human pancreas tissue,

IF/ICC: HEK-293 cells,

Background Information

The PCMT1 gene encodes the protein repair enzyme protein-L-isoaspartate (D-aspartate) O-methyltransferase, which is known to protect certain neural cells against Bax-induced apoptosis.

Notable Publications

Author	Pubmed ID	Journal	Application
Yan Guijun G	23647599	Int J Cardiol	WB
Melanie Föcking	21536977	Arch Gen Psychiatry	WB
Jingjing Zhang	35033172	J Exp Clin Cancer Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

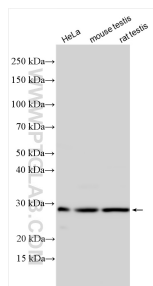
T: 4006900926

E: Proteintech-CN@ptglab.com

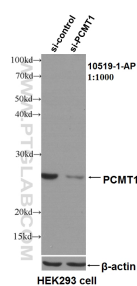
W: ptgcn.com

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

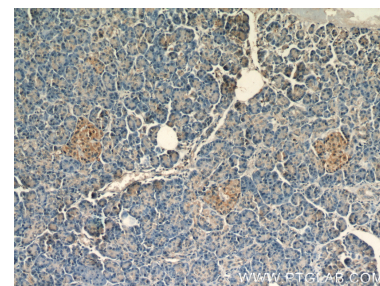
Selected Validation Data



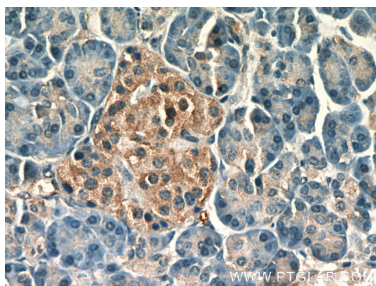
Various lysates were subjected to SDS PAGE followed by western blot with 10519-1-AP (PCMT1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



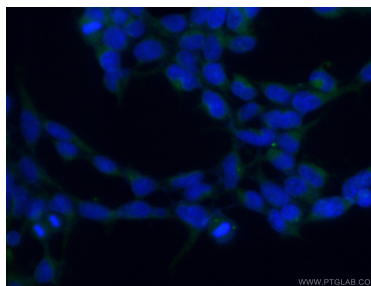
WB result of PCMT1 antibody (10519-1-AP, 1:1000) with si-Control and si-PCMT1 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human pancreas using 10519-1-AP (PCMT1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas using 10519-1-AP (PCMT1 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 10519-1-AP (PCMT1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).