

TPP1 Polyclonal antibody

Catalog Number: 12479-1-AP

1 Publications

Basic Information

Catalog Number:

12479-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3173

GenBank Accession Number:

BC014863

GeneID (NCBI):

1200

UNIPROT ID:

O14773

Full Name:

tripeptidyl peptidase I

Calculated MW:

563 aa, 61 kDa

Observed MW:

66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

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 : human colon tissue,

IHC : human colon cancer tissue, mouse liver tissue

Background Information

TRIPEPTIDYL PEPTIDASE I, TPP1, is a lysosomal exopeptidase that sequentially removes tripeptides from the N termini of proteins. The proenzyme has an apparent molecular mass of 66 kD, and the mature enzyme has an apparent molecular mass of 46 to 48 kD. Defects in TPP1 are the cause of neuronal ceroid lipofuscinosis type 2 (CLN2). This protein distributes widely in all tissues.

Notable Publications

Author	Pubmed ID	Journal	Application
Guang-Jian Jiang	25381886	Mol Reprod Dev	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:

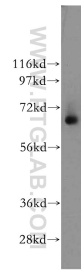
T: 4006900926

E: Proteintech-CN@ptglab.com

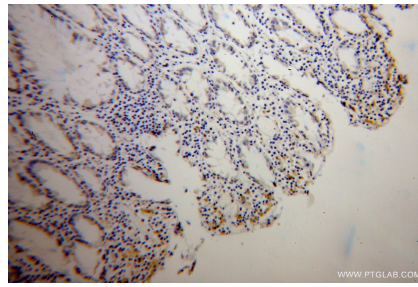
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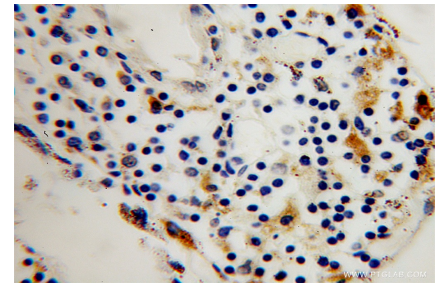
Selected Validation Data



human colon tissue were subjected to SDS PAGE followed by western blot with 12479-1-AP (TPP1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 12479-1-AP (TPP1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 12479-1-AP (TPP1 antibody) at dilution of 1:50 (under 40x lens).