

For Research Use Only

# TPP1 Polyclonal antibody

Catalog Number: 12479-1-AP

1 Publications



## Basic Information

### Catalog Number:

12479-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### 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:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

mouse

### Positive Controls:

WB : human colon tissue,

IHC : human colon cancer tissue, mouse liver tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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

\*\*\* 20ul sizes contain 0.1% BSA

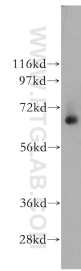
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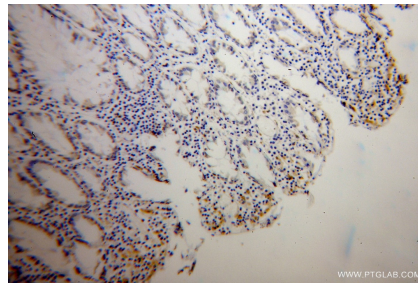
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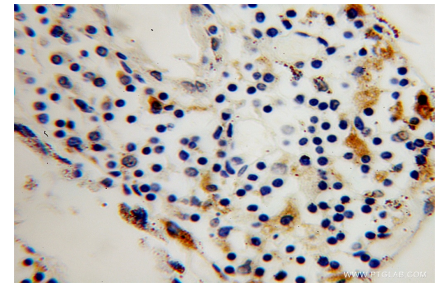
## Selected Validation Data



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).