

For Research Use Only

# TPPP3 Polyclonal antibody

Catalog Number: 15057-1-AP

Featured Product

4 Publications



## Basic Information

### Catalog Number:

15057-1-AP

### Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7040

### GenBank Accession Number:

BC000691

### GeneID (NCBI):

51673

### UNIPROT ID:

Q9BW30

### Full Name:

tubulin polymerization-promoting protein family member 3

### Calculated MW:

19 kDa

### Observed MW:

19-20 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : PC-3 cells, HEK-293 cells

IHC : human stomach cancer 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

TPPP3 (tubulin polymerization promoting protein 3), also named as TPPP/p20, is a new member of the TPPP family which binds tubulin and induces tubulin polymerization and microtubule bundling. TPPP3 has been shown to play an important role in cell proliferation and may be implicated in tumorigenesis and metastasis (19633818). TPPP3 was also identified as specific marker for the connective tissues that envelope tendons due to its distinct expression in the developing tendon sheath (19235716). This antibody detects the 19-20 kDa TPPP3 in HeLa and PC-3 cells. The non-specific bands between 40 and 60 kDa were also occasionally observed.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhen Xiong	35320705	Immunity	
Mengqi Chu	33509274	Stem Cell Res Ther	WB
Fatih Akkentli	39529733	Front Dement	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

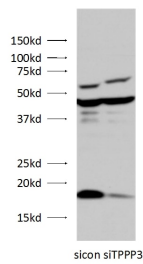
For technical support and original validation data for this product please contact:

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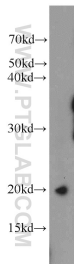
E: proteintech@ptglab.com  
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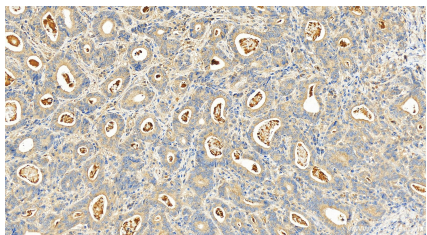
## Selected Validation Data



WB result of anti-TPPP3 (15057-1-AP, 1:500) with HEK-293 cells (siRNA transfected with) by Dr. Yupeng Chen. (Negative control or TPPP3 specific siRNAs were transfected into HEK-293 cells with the final concentration of 20 nM. Forty eight hours after transfection, cells were lysed with RIPA buffer and subjected to SDS PAGE).



PC-3 cells were subjected to SDS PAGE followed by western blot with 15057-1-AP (TPPP3 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 15057-1-AP (TPPP3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).