

For Research Use Only

# TPPP3 Polyclonal antibody

Catalog Number: 15057-1-AP

Featured Product

4 Publications



## Basic Information

Catalog Number:

15057-1-AP

Concentration:

800 ug/ml

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

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

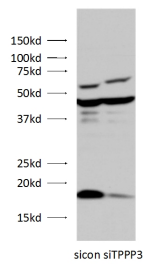
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

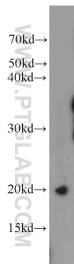
W: [ptgcn.com](http://ptgcn.com)

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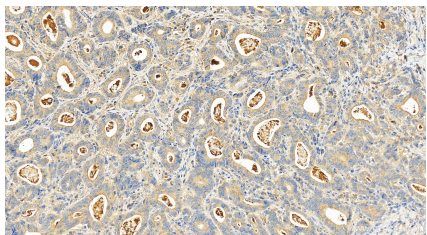
## Selected Validation Data



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).