

For Research Use Only

# TPPP Monoclonal antibody

Catalog Number: 68048-1-Ig

Featured Product



## Basic Information

Catalog Number:

68048-1-Ig

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG19046

GenBank Accession Number:

BC131506

GeneID (NCBI):

11076

UNIPROT ID:

O94811

Full Name:

tubulin polymerization promoting protein

Calculated MW:

219 aa, 24 kDa

Observed MW:

24-29 kDa

Purification Method:

Protein A purification

CloneNo.:

1E5F5

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF/ICC 1:400-1:1600

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat, pig, rabbit, chicken

**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 : pig brain tissue, pig cerebellum tissue, rabbit cerebellum tissue, rat cerebellum tissue, SH-SY5Y cells, rabbit brain, rat brain, mouse brain, chicken brain

IHC : human lung tissue, mouse brain tissue

IF/ICC : Neuro-2a cells,

## Background Information

TPPP, also named as TPPP1, P24 and P25, belongs to the TPPP family. TPPP promotes in vitro the polymerization of tubulin into double-walled tubules and polymorphic aggregates or bundled stabilized microtubules blocks. When overexpressed, TPPP inhibits mitotic spindle assembly and nuclear envelope breakdown, apparently without affecting other cellular events.

## 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

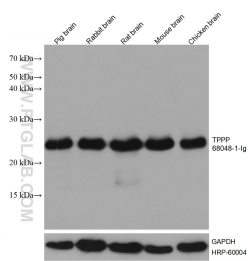
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

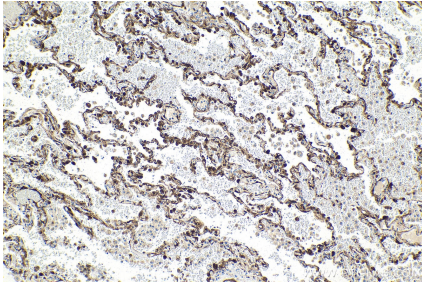
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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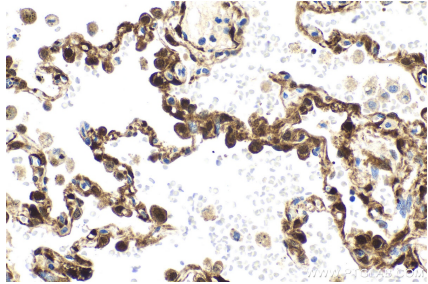
Selected Validation Data



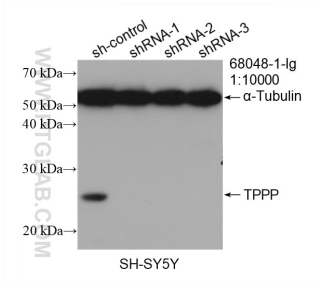
Brain tissues were subjected to SDS PAGE followed by western blot with 68048-1-Ig (TPPP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



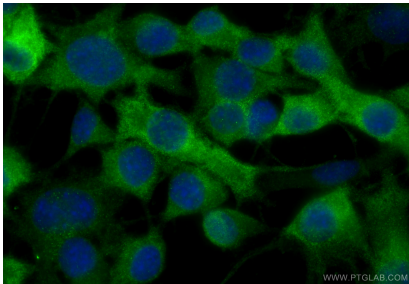
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 68048-1-Ig (TPPP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 68048-1-Ig (TPPP antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of TPPP antibody (68048-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TPPP transfected SH-SY5Y cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed Neuro-2a cells using TPPP antibody (68048-1-Ig, Clone: 1E5F5) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).