

Datasheet for ABIN7264631

**anti-Tppp antibody**

## 2 Images

[Go to Product page](#)

## Overview

|              |   |
|--------------|---|
| Quantity:    | 200 µL  |
| Target:      | Tppp  |
| Reactivity:  | Human, Mouse, Rat                                 |
| Host:        | Rabbit  |
| Clonality:   | Polyclonal  |
| Conjugate:   | This Tppp antibody is un-conjugated               |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

|                  |   |
|------------------|---|
| Immunogen:       | Recombinant fusion protein of human TPPP (NP_008961.1). |
| Isotype:         | IgG   |
| Characteristics: | Polyclonal Antibody                                     |
| Purification:    | Affinity purification                                   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | Tppp   |
| Alternative Name: | TPPP ( <a href="#">Tppp Products</a> )   |
| Background:       | <p>Tubulin family members are globular proteins important in the assembly of microtubules. Microtubules are structural components that play important roles in mitosis, cytokinesis and vesicle transport. TPPP (Tubulin polymerization-promoting protein), also known as p24 and p25, is a widely expressed 219 amino acid protein found in the perinuclear region of the</p> |

## Target Details

cytoplasm. TPPP may form dimers and functions in polymerizing tubulin into double-walled tubules, polymorphic aggregates, or stabilized blocks. TPPP overexpression prevents formation of the mitotic spindle assembly and breakdown of the nuclear envelope. TPPP is phosphorylated by TPK II and is encoded by a gene that maps to human chromosome 5, which contains 181 million base pairs and comprises nearly 6 % of the human genome. May play a role in the polymerization of tubulin into microtubules, microtubule bundling and the stabilization of existing microtubules, thus maintaining the integrity of the microtubule network. May play a role in mitotic spindle assembly and nuclear envelope breakdown.

|                   |  |
|-------------------|--|
| Molecular Weight: | Observed_MW: 24 kDa<br>Calculated_MW: 23 kDa |
|-------------------|--|

|          |       |
|----------|-------|
| Gene ID: | 11076 |
|----------|-------|

|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">O94811</a> |
|----------|------------------------|

## Application Details

|                    |                                |
|--------------------|--------------------------------|
| Application Notes: | WB 1:500-1:2000 IHC 1:50-1:200 |
|--------------------|--------------------------------|

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|         |        |
|---------|--------|
| Format: | Liquid |
|---------|--------|

|                |         |
|----------------|---------|
| Concentration: | 1 mg/mL |
|----------------|---------|

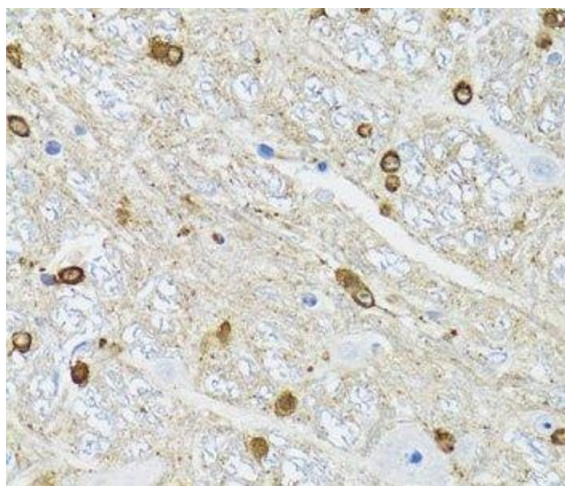
|         |   |
|---------|---|
| Buffer: | PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3 |
|---------|---|

|               |              |
|---------------|--------------|
| Preservative: | Sodium azide |
|---------------|--------------|

|                    |  |
|--------------------|--|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
|--------------------|--|

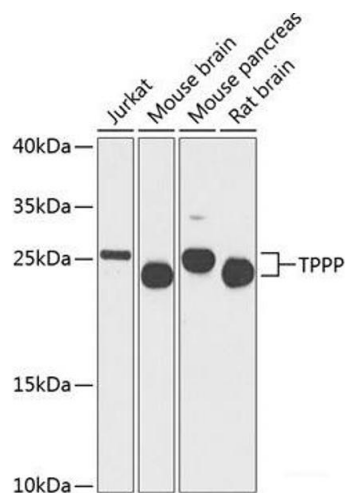
|          |        |
|----------|--------|
| Storage: | -20 °C |
|----------|--------|

|                  |   |
|------------------|---|
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |
|------------------|---|



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Mouse brain using TPPP Polyclonal Antibody at dilution of 1:100 (40x lens).



Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines using TPPP Polyclonal Antibody at dilution of 1:1000.