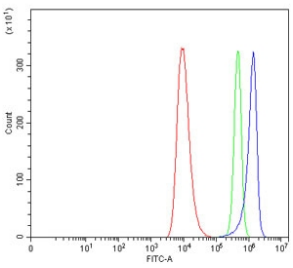
# TPPP Antibody / Tubulin polymerization-promoting protein (RQ7445)

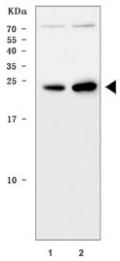
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ7445 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | O94811 |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| **Limitations** | This TPPP antibody is available for research use only. |




Flow cytometry testing of human HEL cells with TPPP antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TPPP antibody.




Western blot testing of 1) rat brain and 2) mouse brain tissue lysate with TPPP antibody. Predicted molecular weight ~24 kDa.

## Description

Tubulin polymerization-promoting protein is a protein that in humans is encoded by the TPPP gene. Enables several functions, including GTPase activity; magnesium ion binding activity; and protein homodimerization activity. Involved in several processes, including microtubule cytoskeleton organization; negative regulation of tubulin deacetylation; and positive regulation of protein polymerization. Located in several cellular components, including mitochondrion; mitotic spindle; and perinuclear region of cytoplasm. Colocalizes with microtubule and microtubule bundle.

## Application Notes

Optimal dilution of the TPPP antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids M1-K219) was used as the immunogen for the TPPP antibody.

## Storage

After reconstitution, the TPPP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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