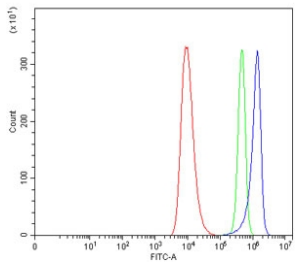
TPPP Antibody / Tubulin polymerization-promoting protein (RQ7445)

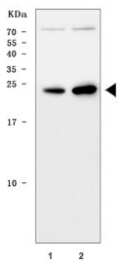
Catalog No.	Formulation	Size
RQ7445	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
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 Flow Cytometry : 1-3ug/million cells 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.