



TPPP mouse mAb

Catalog No	YP-mAb-12551
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TPPP TPPP1
Immunogen	Synthesized peptide derived from human TPPP
Specificity	This antibody detects endogenous levels of TPPP at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.39% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	25 kDa brain specific protein;25 kDa brain-specific protein;EC:3.6.5.-;p24;p25 alpha;TPPP;TPPP TPPP1;Tubulin polymerization-promoting protein (TPPP) (25 kDa brain-specific protein) (TPPP/p25) (p24) (p25-alpha)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Golgi outpost . Cytoplasm, cytoskeleton, microtubule organizing center . Cytoplasm, cytoskeleton . Nucleus . Cytoplasm, cytoskeleton, spindle . Specifically localizes to the postsynaptic Golgi apparatus region, also named Golgi outpost, which shapes dendrite morphology by functioning as sites of acentrosomal microtubule nucleation (By similarity). Mainly localizes to the cytoskeleton (PubMed:18028908). Also found in the nucleus; however, nuclear localization is unclear and requires additional evidences (PubMed:18028908). Localizes to glial Lewy bodies in the brains of individuals with synucleinopathies (PubMed:15590652, PubMed:17027006). During mitosis, colocalizes with LIMK2 at the mitotic spindle (PubMed:22328514). .
Tissue Specificity	Widely expressed.



Function

function: Promotes in vitro the polymerization of tubulin into double-walled tubules and polymorphic aggregates or bundled stabilized microtubules blocks. When overexpressed, inhibits mitotic spindle assembly and nuclear envelope breakdown, apparently without affecting other cellular events., PTM: Phosphorylated by TPK II. Poor substrate for GSK3., similarity: Belongs to the TPPP family., subunit: May form dimers. Binds tubulin; binding is inhibited by GTP. Interacts with GSK3., tissue specificity: Widely expressed.,

Background

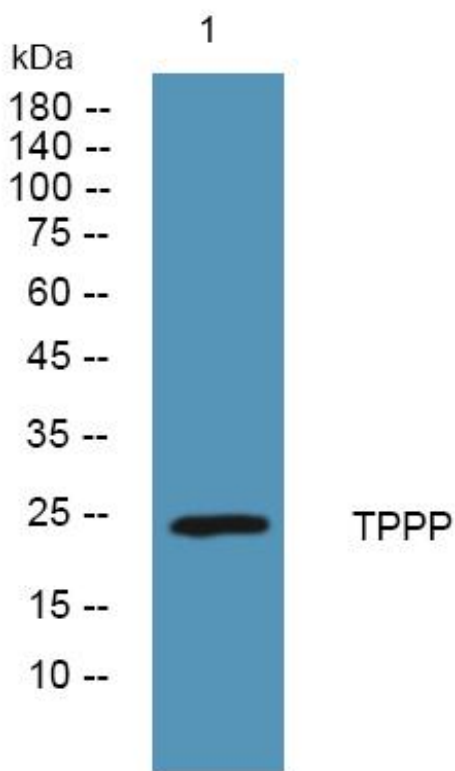
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using TPPP mouse mAb