

DATASHEET

TPPP Rabbit Polyclonal Antibody

CAT. NO. APA14814

KEY FEATURES

Target	TPPP	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Regulator of microtubule dynamics that plays a key role in myelination by promoting elongation of the myelin sheath . Acts as a microtubule nucleation factor in oligodendrocytes: specifically localizes to the postsynaptic Golgi apparatus region, also named Golgi outpost, and promotes microtubule nucleation, an important step for elongation of the myelin sheath . Required for both uniform polarized growth of distal microtubules as well as directing the branching of proximal processes . Shows magnesium-dependent GTPase activity; the role of the GTPase activity is unclear . In addition to microtubule nucleation activity, also involved in microtubule bundling and stabilization of existing microtubules, thereby maintaining the integrity of the microtubule network .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

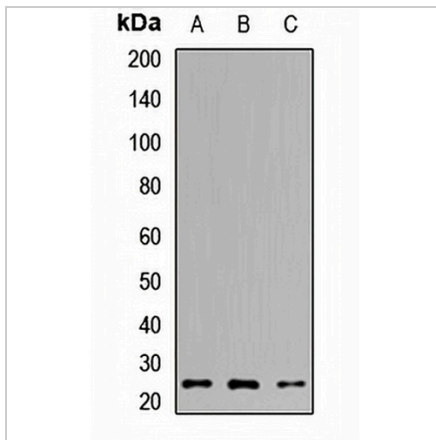
Description	Rabbit polyclonal antibody to TPPP
Specificity	Recognizes endogenous levels of TPPP protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human TPPP
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 23 kD; Observed: 24 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	TPPP1; Tubulin polymerization-promoting protein; TPPP; 25 kDa brain-specific protein; TPPP/p25; p24; p25-alpha
Gene Symbol	TPPP
Entrez Gene	11076(Human); 72948(Mouse)
SwissProt	O94811(Human); Q7TQD2(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of TPPP expression in Jurkat (A), mouse brain (B), rat brain (C) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 24 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.