

产品名称: TPPP (5H10) Rabbit Monoclonal Antibody
产品货号: AMRe19163



产品概述 (Summary)

产品名称 (Production Name)	TPPP (5H10) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,FC
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	TPPP
别名 (Alternative Names)	p24; p25; p25alpha; TPPP; TPPP/p25; TPPP1; Tubulin polymerization promoting protein;
基因 ID (Gene ID)	11076.0
蛋白 ID (SwissProt ID)	O94811.A synthetic peptide of human Tubulin Polymerization Promoting Protein

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000,IHC 1:50-1:100,ICC/IF 1:100-1:200,FC 1:20-1:50
蛋白分子量 (Molecular Weight)	24kDa

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研究背景 (Background)

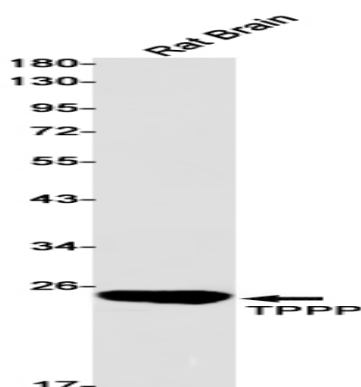
May play a role in the polymerization of tubulin into microtubules, microtubule bundling and the stabilization of existing microtubules, thus maintaining the integrity of the microtubule network. May play a role in mitotic spindle assembly and nuclear envelope breakdown. Regulator of microtubule dynamics that plays a key role in myelination by promoting elongation of the myelin sheath (PubMed: [31522887](http://www.uniprot.org/citations/31522887)). 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 (PubMed: [31522887](http://www.uniprot.org/citations/31522887)). Required for both uniform polarized growth of distal microtubules as well as directing the branching of proximal processes (PubMed: [31522887](http://www.uniprot.org/citations/31522887)). Shows magnesium-dependent GTPase activity; the role of the GTPase activity is unclear (PubMed: [21995432](http://www.uniprot.org/citations/21995432), PubMed: [21316364](http://www.uniprot.org/citations/21316364)). In addition to microtubule nucleation activity, also involved in microtubule bundling and stabilization of existing microtubules, thereby maintaining the integrity of the microtubule network (PubMed: [17105200](http://www.uniprot.org/citations/17105200), PubMed: [17693641](http://www.uniprot.org/citations/17693641), PubMed: [18028908](http://www.uniprot.org/citations/18028908), PubMed: [26289831](http://www.uniprot.org/citations/26289831)). Regulates microtubule dynamics by promoting tubulin acetylation: acts by inhibiting the tubulin deacetylase activity of HDAC6 (PubMed: [20308065](http://www.uniprot.org/citations/20308065), PubMed: [23093407](http://www.uniprot.org/citations/23093407)). Also regulates cell migration: phosphorylation by ROCK1 inhibits interaction with HDAC6, resulting in decreased acetylation of tubulin and increased cell motility (PubMed: [23093407](http://www.uniprot.org/citations/23093407)). Plays a role in cell proliferation by regulating the G1/S-phase transition (PubMed: [23355470](http://www.uniprot.org/citations/23355470)). Involved in astral microtubule organization and mitotic spindle orientation during early stage of mitosis; this process is regulated by phosphorylation by LIMK2 (PubMed: [22328514](http://www.uniprot.org/citations/22328514)).

研究领域 (Research Area)

Signal Transduction

图片 (Image Data)

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Western blot detection of TPPP in Rat Brain lysates using TPPP antibody(1:1000 diluted).

注意事项 (Note)

For research use only .