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TPPP3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5004b

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	Q9BW30
Other Accession	Q5PPN5, Q9CRB6, Q3ZCC8
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22270
Calculated MW	18985
Antigen Region	117-146

Additional Information

Gene ID	51673
Other Names	Tubulin polymerization-promoting protein family member 3, TPPP/p20, TPPP3
Target/Specificity	This TPPP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 117-146 amino acids of human TPPP3.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TPPP3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TPPP3 {ECO:0000303|PubMed:19633818, ECO:0000312|HGNC:HGNC:24162}
Function	Regulator of microtubule dynamic that has microtubule bundling activity (PubMed:17105200, PubMed:19633818). Required for embryo implantation;

	possibly by regulating beta-catenin (By similarity). Also required for decidualization via regulation of beta- catenin (PubMed:30667362).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton
Tissue Location	Expressed in endometrium during the mid-secretory phase (LH + 7) (at protein level).

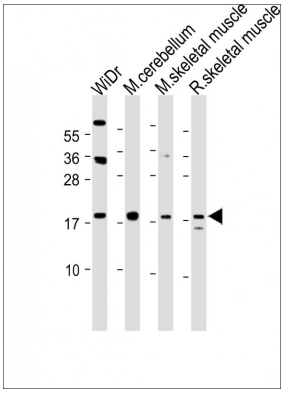
Background

TPPP3 binds tubulin and has microtubule bundling activity. TPPP3 may play a role in cell proliferation and mitosis.

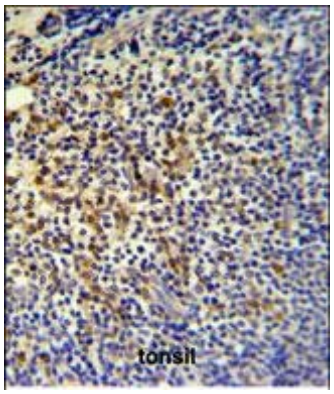
References

Zhou, W., et al. Mol. Cell. Biochem. 333 (1-2), 91-98 (2010) Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009) Vincze, O., et al. Biochemistry 45(46):13818-13826(2006)

Images

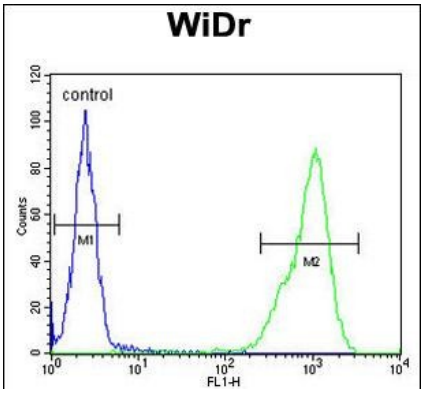


All lanes : Anti-TPPP3 Antibody (C-term) at 1:2000 dilution Lane 1: WiDr whole cell lysate Lane 2: Mouse cerebellum lysate Lane 3: Mouse skeletal muscle lysate Lane 4: Rat skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 19 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



TPPP3 Antibody (C-term) (Cat. #AP5004b) IHC analysis in formalin fixed and paraffin embedded tonsil followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TPPP3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

TPPP3 Antibody (C-term) (Cat. #AP5004b) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Citations

- Knockdown of Tubulin Polymerization Promoting Protein Family Member 3 inhibits cell proliferation and invasion in human colorectal cancer.
- Knockdown of Tubulin Polymerization Promoting Protein Family Member 3 Suppresses Proliferation and Induces Apoptosis in Non-Small-Cell Lung Cancer.
- TPPP3 inhibits the proliferation, invasion and migration of endometrial carcinoma targeted with miR-1827

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.