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TBB1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11781a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9H4B7
Other Accession	NP_110400.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19133
Calculated MW	50327
Antigen Region	4-31

Additional Information

Gene ID	81027
Other Names	Tubulin beta-1 chain, TUBB1
Target/Specificity	This TBB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-31 amino acids from the N-terminal region of human TBB1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	TBB1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TUBB1
Function	Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin

	dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin.
Cellular Location	Cytoplasm, cytoskeleton
Tissue Location	Hematopoietic cell-specific. Major isotype in leukocytes, where it represents 50% of all beta-tubulins

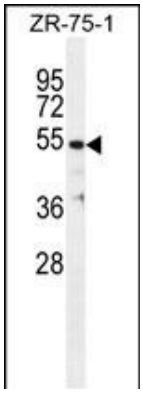
Background

This gene encodes a member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is specifically expressed in platelets and megakaryocytes and may be involved in proplatelet production and platelet release. A mutations in this gene is associated with autosomal dominant macrothrombocytopenia. Two pseudogenes of this gene are found on chromosome Y.

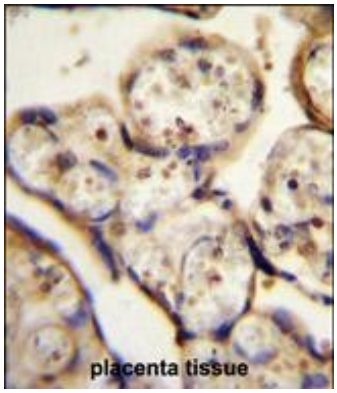
References

Anton, A.I., et al. Ann. Hematol. 89(11):1147-1154(2010)
Yin, S., et al. Mol. Cancer Ther. 9(2):327-335(2010)
Xu, W., et al. Mol. Cancer Ther. 8(12):3318-3330(2009)
Joe, P.A., et al. J. Biol. Chem. 284(7):4283-4291(2009)
Navarro-Nunez, L., et al. Thromb. Haemost. 100(6):1211-1213(2008)

Images



TBB1 Antibody (N-term) (Cat. #AP11781a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the TBB1 antibody detected the TBB1 protein (arrow).



TBB1 Antibody (N-term) (Cat. #AP11781a)immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TBB1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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