

Mouse anti-Human, mouse TBB1 Monoclonal Antibody | anti-TUBB1 antibody

TBB1 Antibody

CATALOG # AAA283564	HOST Mouse	REACTIVITY Human, mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

TBB1; Monoclonal Antibody; TBB1 Antibody; Tubulin beta-1 chain; TUBB1; anti-TUBB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	86CT4.4.4
Specificity	This monoclonal antibody is generated from mice immunized with a recombinant protein human TBB1.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	451
Applicable Applications for anti-TUBB1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of TBB1 Antibody with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain reacted with TBB1 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of anti-TBB1 Antibody in mouse brain tissue, Y79, CEM and 293 lysates (35ug/lane). TBB1 (arrow) was detected using the purified Mab.(1ug/ml)

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB1 antibody	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.
Product Categories/Family for anti-TUBB1 antibody	Signal Transduction
References	Study of 18 functional hemostatic polymorphisms in mucocutaneous bleeding disorders. Antón AI, et al. Ann Hematol, 2010 Nov. PMID 20532885. Natural product derivative Bis(4-fluorobenzyl)trisulfide inhibits tumor growth by modification of beta-tubulin at Cys 12 and suppression of microtubule dynamics. Xu W, et al. Mol Cancer Ther, 2009 Dec. PMID 19996274. Genotype-phenotype relationship for six common polymorphisms in genes affecting platelet function from 286 healthy subjects and 160 patients with mucocutaneous bleeding of unknown cause. Martínez C, et al. Br J Haematol, 2009 Jun. PMID 19388931. TUBB1 Q43P polymorphism does not protect against acute coronary syndrome and premature myocardial infarction. Navarro-Núñez L, et al. Thromb Haemost, 2008 Dec. PMID 19132255. Roles of beta-tubulin residues Ala428 and Thr429 in microtubule formation in vivo. Joe PA, et al. J Biol Chem, 2009 Feb 13. PMID 19074767.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13562114
NCBI GeneID	81027
NCBI Accession #	NP_110400.1
NCBI GenBank Nucleotide #	NM_030773.3
UniProt Accession #	Q9H4B7
Molecular Weight	50327
NCBI Official Full Name	tubulin beta-1 chain
NCBI Official Synonym Full Names	tubulin, beta 1 class VI
NCBI Official Symbol	TUBB1
NCBI Protein Information	tubulin beta-1 chain
UniProt Protein Name	Tubulin beta-1 chain
UniProt Gene Name	TUBB1
UniProt Entry Name	TBB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.