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TUBB1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2025a

Product Information

Application	WB, IHC, FC, ICC, E
Primary Accession	Q9H4B7
Reactivity	Human, Mouse, Rat, Monkey
Host	Mouse
Clonality	Monoclonal
Clone Names	2A1A9
Isotype	IgG1
Calculated MW	50327
Description	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.
Immunogen	Purified recombinant fragment of human TUBB1 (AA: 33-166) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	81027
Other Names	Tubulin beta-1 chain, TUBB1
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 FC~~1/200 - 1/400 ICC~~N/A E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TUBB1 Antibody 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

References

Cancer Res. 2012 Sep 15;72(18):4744-52.Cytoskeleton (Hoboken). 2011 Mar;68(3):175-87.

Images