10320 Camino Santa Fe, Suite G
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TUBB1 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2025a

Specification

TUBB1 Antibody - Product Information

Application	**E, WB, IF, FC, IHC**
Primary Accession	Q9H4B7
Reactivity	**Human, Mouse, Rat, Monkey**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**50.3kDa KDa**

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

TUBB1 Antibody - Additional Information

Gene ID 81027

Other Names
Tubulin beta-1 chain, TUBB1

Dilution
E~~1/10000
WB~~1/500 - 1/2000
IF~~1/200 - 1/1000
FC~~1/200 - 1/400
IHC~~1/200 - 1/1000

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.

TUBB1 Antibody - Protein Information

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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

TUBB1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture