

**TUBB1 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2025a****Specification****TUBB1 Antibody - Product Information**

Application	<b>E, WB, IF, FC, IHC</b>
Primary Accession	<a href="#">O9H4B7</a>
Reactivity	<b>Human, Mouse, Rat, Monkey</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>50.3kDa KDa</b>

**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**

**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 Cytometry](#)
- [Cell Culture](#)