



# Tubulin $\beta$ Monoclonal Antibody

<b>Catalog No</b>	BYab-02953
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat;Bovine;Rabbit
<b>Applications</b>	WB;IP
<b>Gene Name</b>	TUBB1
<b>Protein Name</b>	Tubulin beta-1 chain
<b>Immunogen</b>	Purified recombinant human Tubulin $\beta$ protein fragments expressed in E.coli.
<b>Specificity</b>	Tubulin $\beta$ Monoclonal Antibody detects endogenous levels of Tubulin $\beta$ protein.
<b>Formulation</b>	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	Affinity purification
<b>Dilution</b>	Western Blot: 1/1000 - 1/2000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	$\geq 90\%$
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TUBB1; Tubulin beta-1 chain
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cytoplasm, cytoskeleton .
<b>Tissue Specificity</b>	Hematopoietic cell-specific. Major isotype in leukocytes, where it represents 50% of all beta-tubulins.
<b>Function</b>	function:Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain.,similarity:Belongs to the tubulin family.,subunit:Dimer of alpha and beta chains.,
<b>Background</b>	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.[provided by RefSeq, Jul 2010],

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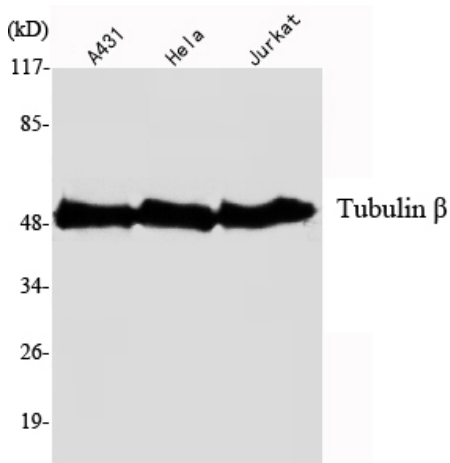
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western Blot analysis using Tubulin  $\beta$  Monoclonal Antibody against A431, HeLa, Jurkat cell lysate.