

## Tubulin $\beta$ Monoclonal Antibody

<b>Catalog No :</b>	YM1110
<b>Reactivity :</b>	Human;Mouse;Rat;Bovine;Rabbit
<b>Applications :</b>	WB;IP
<b>Target :</b>	Tubulin $\beta$
<b>Fields :</b>	>>Phagosome;>>Gap junction;>>Alzheimer disease;>>Parkinson disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Pathogenic Escherichia coli infection;>>Salmonella infection
<b>Gene Name :</b>	TUBB1
<b>Protein Name :</b>	Tubulin beta-1 chain
<b>Human Gene Id :</b>	81027
<b>Human Swiss Prot No :</b>	P07437
<b>Mouse Gene Id :</b>	545486
<b>Mouse Swiss Prot No :</b>	A2AQ07
<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>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:1000 - 1:2000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 50kD

**Cell Pathway :** Protein\_Acetylation

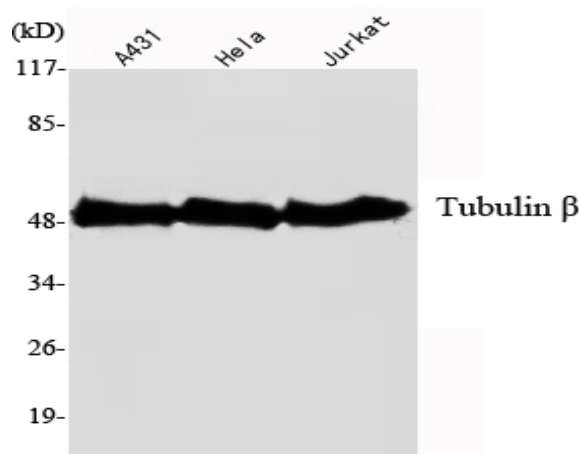
**Background :** This gene encodes a member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is specifically expressed in platelets and megakaryocytes and may be involved 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],

**Function :** 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.,

**Subcellular Location :** Cytoplasm, cytoskeleton .

**Expression :** Hematopoietic cell-specific. Major isotype in leukocytes, where it represents 50% of all beta-tubulins.

## Products Images



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