



## β I tubulin Monoclonal Antibody(3F7)

<b>Catalog No</b>	YP-Ab-02970
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;IHC;IF;
<b>Gene Name</b>	TUBB1
<b>Protein Name</b>	Tubulin beta-1 chain
<b>Immunogen</b>	Synthetic Peptide of β I tubulin
<b>Specificity</b>	The antibody detects endogenousβ I tubulin proteins.
<b>Formulation</b>	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB: 1:500-10000 IF 1:200 IHC 1:50-300
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TUBB1; Tubulin beta-1 chain; TUBB2A; TUBB2; Tubulin beta-2A chain; TUBB2B; Tubulin beta-2B chain; TUBB4B; TUBB2C; Tubulin beta-4B chain; Tubulin beta-2 chain; Tubulin beta-2C chain; TUBB3; TUBB4; Tubulin beta-3 chain; Tubulin beta-4 chain; Tubulin beta-III; TUBB4A; TUBB4; TUBB5; Tubulin beta-4A chain; Tubulin 5 beta; Tubulin beta-4 chain; TUBB; TUBB5; OK/SW-cl.56; Tubulin beta chain; Tubulin beta-5 chain; TUBB6; Tubulin beta-6 chain; TUBB8; Tubulin beta-8 chain
<b>Observed Band</b>	50kD
<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],

**matters needing attention**

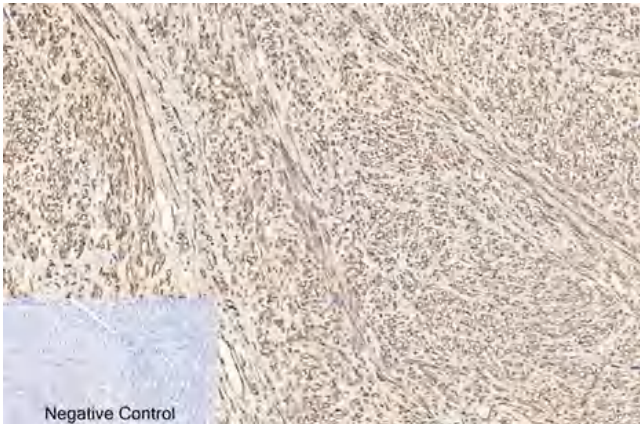
Avoid repeated freezing and thawing!

**Usage suggestions**

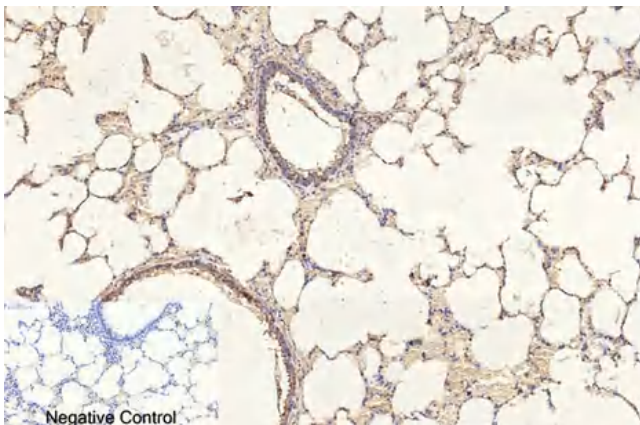
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



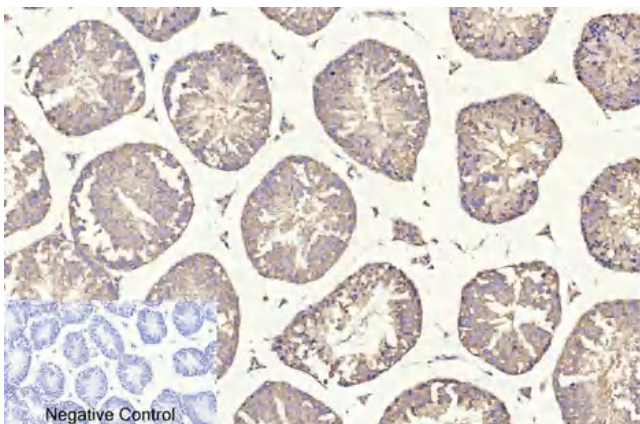
## Products Images



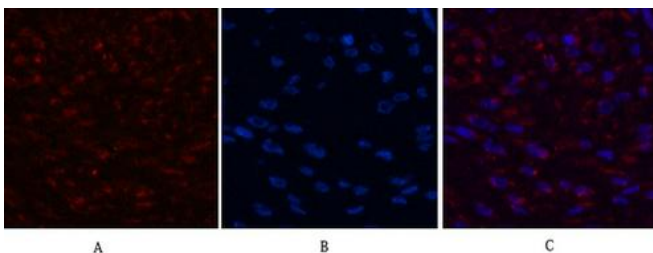
Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1,  $\beta$  I tubulin Monoclonal Antibody(3F7) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



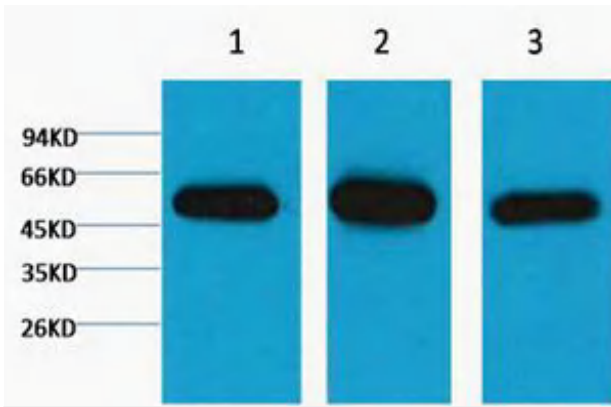
Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,  $\beta$  I tubulin Monoclonal Antibody(3F7) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1,  $\beta$  I tubulin Monoclonal Antibody(3F7) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-breast-cancer tissue. 1,  $\beta$  I tubulin Monoclonal Antibody(3F7)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of 1) HeLa, 2) Mouse Brain Tissue, 3) Rat Brain Tissue, diluted at 1:5000.