

beta Tubulin Mouse Monoclonal Antibody Mouse mAb Catalog # AP90009

### **Specification**

## beta Tubulin Mouse Monoclonal Antibody - Product Information

ApplicationWB, IHC, ICCPrimary AccessionP07437ReactivityRat, DogClonalityMonoclonalOther NamesBeta 4 tubulin; Beta 5 tubulin; Beta1 tubulin; Tubulin beta chain; Tubulin beta class I;

lsotype	Mouse IgG1
Host	Mouse
Calculated MW	<b>49671 Da</b>

#### beta Tubulin Mouse Monoclonal Antibody - Additional Information

Purification Immunogen	Affinity-chromatography A synthesized peptide derived from human
Description	beta Tubulin 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.
Storage Condition and Buffer	Mouse IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short
	term. Store at -20°C long term. Avoid freeze / thaw cycle.

#### beta Tubulin Mouse Monoclonal Antibody - Protein Information

Name TUBB

Synonyms TUBB5

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** 



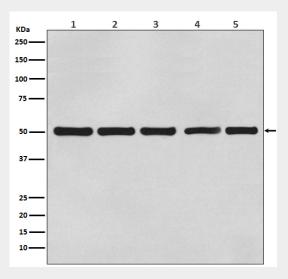
Ubiquitously expressed with highest levels in spleen, thymus and immature brain.

# beta Tubulin Mouse Monoclonal 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
- <u>Cell Culture</u>

beta Tubulin Mouse Monoclonal Antibody - Images



Western blot analysis of beta Actin expression in (1) A431 cell lysate; (2) Rat brain lysate; (3) Mouse kidney lysate; (4) Chicken lung lysate; (5) Hamster spleen lysate with beta Tubulin Mouse Monoclonal Antibody.