

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 | 49671 Da |

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



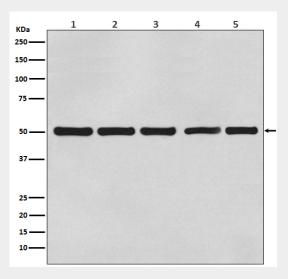
Ubiquitously expressed with highest levels in spleen, thymus and immature brain.

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.