

beta Tubulin Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52743

Product Information

| | |
|-------------------|------------------------|
| Primary Accession | P07437 |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Calculated MW | 49671 |

Additional Information

| | |
|-------------|---|
| Gene ID | 203068 |
| Other Names | beta 4 tubulin;Beta 5 tubulin;beta Ib tubulin;M40;TUBB1;TUBB5;tubulin beta 1 chain; Tubulin beta 4 chain;tubulin beta 5 chain;Tubulin beta;Tubulin beta chain;tubulin beta polypeptide. |
| Format | Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide,0.1mg/mlBSA and 50% glycerol. |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

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. |

Background

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.

References

Lee M.G.-S.,et al.Cell 33:477-487(1983).

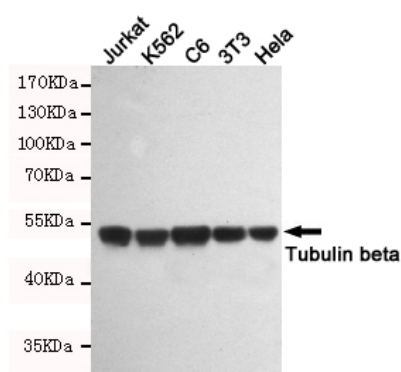
Hall J.L.,et al.Mol. Cell. Biol. 3:854-862(1983).

Crabtree D.V.,et al.Bioorg. Med. Chem. 9:1967-1976(2001).

Yu W.,et al.Submitted (JUN-1998) to the EMBL/GenBank/DDBJ databases.

Shiina S.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.

Images



Western blot detection of Tubulin beta in Jurkat,K562,C6,3T3 and HeLa cell lysates and using Tubulin beta mouse mAb (1:1000 diluted).Predicted band size: 55KDa.Observed band size: 55KDa.

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