

# beta Tubulin Antibody

Rabbit mAb Catalog # AP90023

## **Product Information**

| Application<br>Primary Accession<br>Reactivity<br>Clonality<br>Other Names | WB, IHC, IP<br><u>P07437</u><br>Rat, Human, Mouse<br>Monoclonal<br>Beta 4 tubulin; Beta 5 tubulin; Beta1 tubulin; Tubulin beta chain; Tubulin beta<br>class I; |
|--|--|
| lsotype  | Rabbit IgG   |
| Host   | Rabbit   |
| Calculated MW  | 49671  |

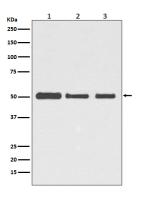
### **Additional Information**

| Dilution                     | WB 1:2000~1:20000 IHC 1:50~1:200 IP 1:50   |
|------------------------------|--|
| Purification                 | Affinity-chromatography  |
| Immunogen                    | A synthesized peptide derived from human beta Tubulin  |
| Description                  | Tubulin is the major constituent of microtubules. It binds two moles of GTP,                         |
| Storage Condition and Buffer | one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain. |

### **Protein Information**

| Name              | ТИВВ   |
|-------------------|--|
| Synonyms          | TUBB5  |
| Function          | Tubulin is the major constituent of microtubules, a cylinder consisting of<br>laterally associated linear protofilaments composed of alpha- and<br>beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin<br>dimers to the microtubule end, where a stabilizing cap forms. Below the cap,<br>tubulin dimers are in GDP-bound state, owing to GTPase activity of<br>alpha-tubulin. |
| Cellular Location | Cytoplasm, cytoskeleton  |
| Tissue Location   | Ubiquitously expressed with highest levels in spleen, thymus and immature brain.   |

#### Images



Western blot analysis of beta Tubulin expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) C6 cell lysate.

| Image not found : 202311/AP90023-IHC.jpg | Immunohistochemical analysis of paraffin-embedded<br>human ovarian cancer, using beta Tubulin Antibody. |
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| Image not found : 202311/AP90023-IF.jpg  | Immunofluorescent analysis of PC12 cells, using beta<br>Tubulin Antibody .                              |

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