

**TUBB / Beta Tubulin Antibody (clone AT5B2)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS14451****Specification**

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**TUBB / Beta Tubulin Antibody (clone AT5B2) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IF                 |
| Primary Accession | <a href="#">P07437</a> |
| Reactivity        | Human, Mouse           |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 50kDa KDa              |

**TUBB / Beta Tubulin Antibody (clone AT5B2) - Additional Information****Gene ID** 203068**Other Names**

Tubulin beta chain, Tubulin beta-5 chain, TUBB, TUBB5

**Target/Specificity**

Human TUBB / Tubulin, Beta

**Reconstitution & Storage**

Can be stored at 4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.

**Precautions**

TUBB / Beta Tubulin Antibody (clone AT5B2) is for research use only and not for use in diagnostic or therapeutic procedures.

**TUBB / Beta Tubulin Antibody (clone AT5B2) - 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.

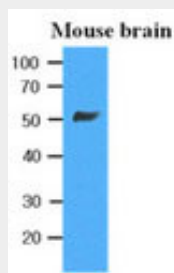
**Volume**  
50 µl

### **TUBB / Beta Tubulin Antibody (clone AT5B2) - Protocols**

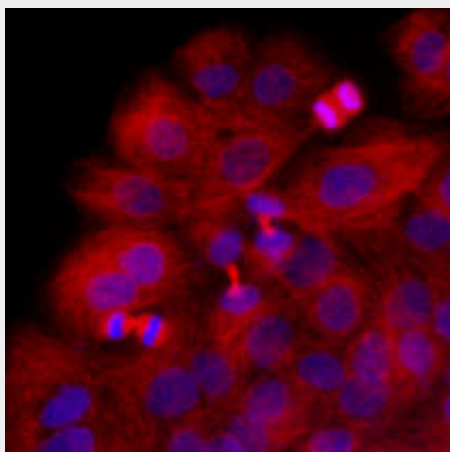
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **TUBB / Beta Tubulin Antibody (clone AT5B2) - Images**



Extracts of Mouse brain (35 ug) were resolved by SDS-PAGE, transferred to PVDF membrane and...



Immunofluorescence of HaCaT cells stained with Hoechst 3342 (Blue) for nucleus staining and...

### **TUBB / Beta Tubulin Antibody (clone AT5B2) - 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.

### **TUBB / Beta Tubulin Antibody (clone AT5B2) - 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.