

**TUBB / Beta Tubulin Antibody (aa401-450)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15085**

**Specification**

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**TUBB / Beta Tubulin Antibody (aa401-450) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P07437</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50kDa KDa

**TUBB / Beta Tubulin Antibody (aa401-450) - Additional Information**

**Gene ID** 203068

**Other Names**

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

**Target/Specificity**

Tubulin beta Antibody detects endogenous levels of total Tubulin beta protein.

**Reconstitution & Storage**

Store at -20°C for up to one year.

**Precautions**

TUBB / Beta Tubulin Antibody (aa401-450) is for research use only and not for use in diagnostic or therapeutic procedures.

**TUBB / Beta Tubulin Antibody (aa401-450) - 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.

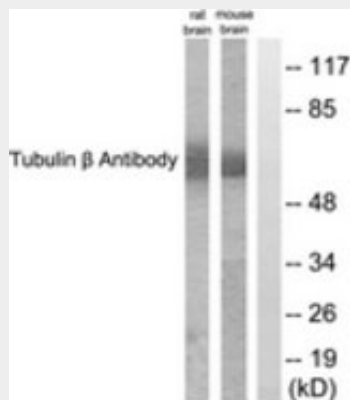
**Volume**  
50  $\mu$ l

### **TUBB / Beta Tubulin Antibody (aa401-450) - Protocols**

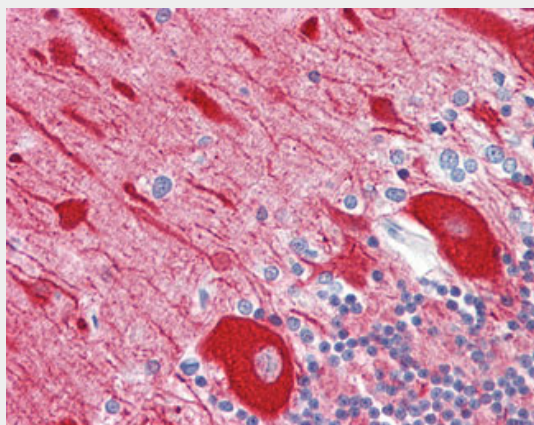
Provided below are standard protocols that you may find useful for product applications.

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

### **TUBB / Beta Tubulin Antibody (aa401-450) - Images**



Western blot of extracts from mouse brain/rat brain cells, using Tubulin beta Antibody.



Anti-TUBB3 / Beta III Tubulin antibody IHC of human brain, cerebellum.

### **TUBB / Beta Tubulin Antibody (aa401-450) - 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 (aa401-450) - 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.