

**TBB5 Antibody (Center E111) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7858c****Specification**

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**TBB5 Antibody (Center E111) Blocking Peptide - Product Information**Primary Accession [P07437](#)**TBB5 Antibody (Center E111) Blocking Peptide - Additional Information****Gene ID** 203068**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7858c](/products/AP7858c) was selected from the Center region of human TBB5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TBB5 Antibody (Center E111) Blocking Peptide - 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.

**TBB5 Antibody (Center E111) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**TBB5 Antibody (Center E111) Blocking Peptide - Images****TBB5 Antibody (Center E111) Blocking Peptide - 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.

**TBB5 Antibody (Center E111) Blocking Peptide - References**

Wiesen,K.M., Cancer Lett. 257 (2), 227-235 (2007)Navarro-Nunez,L., Haematologica 92 (4), 513-518 (2007)Volz,A., Hum. Genet. 93 (1), 42-46 (1994)