

**TUBB2A Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13739b****Specification**

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**TUBB2A Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q13885](#)**TUBB2A Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 7280**Other Names**

Tubulin beta-2A chain, Tubulin beta class IIa, TUBB2A, TUBB2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13739b was selected from the C-term region of TUBB2A. 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.

**TUBB2A Antibody (C-term) Blocking peptide - Protein Information****Name** TUBB2A**Synonyms** TUBB2**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**

High expression in brain, where it represents 30% of all beta-tubulins.

**TUBB2A Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**TUBB2A Antibody (C-term) Blocking peptide - Images****TUBB2A Antibody (C-term) 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 (By similarity).

**TUBB2A Antibody (C-term) Blocking peptide - References**

Martins-de-Souza, D., et al. J Psychiatr Res 44(14):989-991(2010)Frum, R., et al. J. Proteome Res. 6(4):1410-1417(2007)Yeh, T.S., et al. Cancer Res. 64(22):8334-8340(2004)Okai, T., et al. J. Cell. Sci. 117 (PT 20), 4705-4715 (2004) Jin, J., et al. Curr. Biol. 14(16):1436-1450(2004)