

TUBB4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6594a**Specification**

TUBB4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P04350](#)**TUBB4 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10382**Other Names**

Tubulin beta-4A chain, Tubulin 5 beta, Tubulin beta-4 chain, TUBB4A, TUBB4, TUBB5

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6594a](/products/AP6594a) was selected from the N-term region of human TUBB4. 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.

TUBB4 Antibody (N-term) Blocking Peptide - Protein Information**Name** TUBB4A**Synonyms** TUBB4, 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

Major isotype in brain, where it represents 46% of all beta-tubulins. In the brain, highest

expression levels in the cerebellum, followed by putamen and white matter. Moderate levels in testis. Very low levels, if any, in other tissues

TUBB4 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TUBB4 Antibody (N-term) Blocking Peptide - Images

TUBB4 Antibody (N-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.

TUBB4 Antibody (N-term) Blocking Peptide - References

Bhattacharya,R., Cell Motil. Cytoskeleton 65 (9), 708-720 (2008)