

TUBA1B Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8729c**Specification**

TUBA1B Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P68363](#)**TUBA1B Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 10376**Other Names**

Tubulin alpha-1B chain, Alpha-tubulin ubiquitous, Tubulin K-alpha-1, Tubulin alpha-ubiquitous chain, TUBA1B

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8729c](/products/AP8729c) was selected from the Center region of human TUBA1B. 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.

TUBA1B Antibody (Center) Blocking Peptide - Protein Information**Name** TUBA1B**Function**

Tubulin is the major constituent of microtubules, protein filaments consisting of alpha- and beta-tubulin heterodimers (PubMed: [38305685](http://www.uniprot.org/citations/38305685), PubMed: [34996871](http://www.uniprot.org/citations/34996871), PubMed: [38609661](http://www.uniprot.org/citations/38609661)). Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms (PubMed: [38305685](http://www.uniprot.org/citations/38305685), PubMed: [34996871](http://www.uniprot.org/citations/34996871), PubMed: [38609661](http://www.uniprot.org/citations/38609661)). Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin (PubMed: [34996871](http://www.uniprot.org/citations/34996871), PubMed: [38305685](http://www.uniprot.org/citations/38305685), PubMed: [34996871](http://www.uniprot.org/citations/34996871), PubMed: [38609661](http://www.uniprot.org/citations/38609661)).

href="http://www.uniprot.org/citations/38609661" target="_blank">38609661).

Cellular Location

Cytoplasm, cytoskeleton

TUBA1B Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TUBA1B Antibody (Center) Blocking Peptide - Images**TUBA1B Antibody (Center) 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.

TUBA1B Antibody (Center) Blocking Peptide - References

Szasz,J., et.al., Biophys. J. 64 (3), 792-802 (1993)Alexandrova,N., et.al., Mol. Cell. Biol. 15 (9), 5188-5195 (1995)