

alpha Tubulin Blocking Peptide
Synthetic peptide
Catalog # BP22120a**Specification**

alpha Tubulin Blocking Peptide - Product InformationPrimary Accession
Other Accession[P68363](#)
[P68362](#), [Q71U36](#), [P68369](#), [A5A6J1](#), [P02550](#),
[P68370](#), [P81947](#), [P68361](#), [Q4R538](#), [P68360](#),
[P05213](#), [Q5R1W4](#), [Q2XVP4](#), [Q6P9V9](#), [Q8T6A5](#),
[P02552](#), [P18258](#), [P41383](#), [Q13748](#), [Q32KN8](#),
[P91910](#), [Q94572](#), [P05214](#), [Q68FR8](#), [P18288](#),
[P50719](#), [P02553](#), [P36220](#)**alpha Tubulin 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 is selected from aa 428-439 of HUMAN TUBA1B

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.

alpha Tubulin 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)).

href="http://www.uniprot.org/citations/38609661" target="_blank">38609661). Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin (PubMed:34996871, PubMed:38609661).

Cellular Location

Cytoplasm, cytoskeleton

alpha Tubulin Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

alpha Tubulin Blocking Peptide - Images

alpha Tubulin 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.

alpha Tubulin Blocking Peptide - References

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Li Q.,et al.Submitted (FEB-2006) to the EMBL/GenBank/DDBJ databases.
Lubec G.,et al.Submitted (DEC-2008) to UniProtKB.
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