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alpha Tubulin Blocking Peptide

Synthetic peptide
Catalog # BP22120a

Specification

alpha Tubulin Blocking Peptide - Product Information

Primary Accession	P68363
Other Accession	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, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers (PubMed:34996871). Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms (PubMed:34996871). Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha- tubulin (PubMed:34996871).

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

Cowan N.J.,et al.Mol. Cell. Biol. 3:1738-1745(1983).
de Hostos E.L.,et al.Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.
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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