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TUBA1C Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20591a

Specification

TUBA1C Blocking Peptide (N-term) - Product Information

Primary Accession	Q9BQE3
Other Accession	P08537, Q68FR8, P05214, P06605, Q32KN8, Q6PEY2, Q13748, P06603, P02552, Q2HJ86, Q6AYZ1, P68373, P68365, Q3ZCJ7, Q6P9V9, Q2XVP4, P05213, Q4R538, P68363, P68361, P81947, P68370, P02550, P68369, Q71U36, P68362

TUBA1C Blocking Peptide (N-term) - Additional Information

Gene ID 84790

Other Names
Tubulin alpha-1C chain, Alpha-tubulin 6, Tubulin alpha-6 chain, TUBA1C, TUBA6

Target/Specificity
The synthetic peptide sequence is selected from aa 46-60 of HUMAN TUBA1C

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.

TUBA1C Blocking Peptide (N-term) - Protein Information

Name TUBA1C

Synonyms TUBA6

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.

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TUBA1C Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

TUBA1C Blocking Peptide (N-term) - Images

TUBA1C Blocking Peptide (N-term) - 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.

TUBA1C Blocking Peptide (N-term) - References

Lubec G.,et al.Submitted (MAR-2007) to UniProtKB.
Olsen J.V.,et al.Cell 127:635-648(2006).
Daub H.,et al.Mol. Cell 31:438-448(2008).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).