

alpha Tubulin peptide ab195584

描述

产品名称	alpha Tubulin多肽
无动物成分	No
性质	Synthetic

技术指标

Our **Abpromise guarantee** covers the use of **ab195584** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Blocking
形式	Liquid
补充说明	This is the blocking peptide for ab106375

制备和贮存

稳定性和存储	Shipped at 4°C. Store at -20°C. pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 99.88% PBS, 0.1% BSA
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常规信息

功能	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.
序列相似性	Belongs to the tubulin family.
翻译后修饰	Some glutamate residues at the C-terminus are polyglutamylated. This modification occurs exclusively on glutamate residues and results in polyglutamate chains on the gamma-carboxyl group. Also monoglycylated but not polyglycylated due to the absence of functional TLL10 in human. Monoglycylation is mainly limited to tubulin incorporated into axonemes (cilia and flagella) whereas glutamylation is prevalent in neuronal cells, centrioles, axonemes, and the mitotic spindle. Both modifications can coexist on the same protein on adjacent residues, and lowering glycylation levels increases polyglutamylated, and reciprocally. The precise function of such modifications is still unclear but they regulate the assembly and dynamics of axonemal microtubules.

Acetylation of alpha chains at Lys-40 stabilizes microtubules and affects affinity and processivity of microtubule motors. This modification has a role in multiple cellular functions, ranging from cell motility, cell cycle progression or cell differentiation to intracellular trafficking and signaling.

细胞定位

Cytoplasm > cytoskeleton.

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