




# HRP Anti-alpha Tubulin antibody ab106043

## 1 References

### 概述

产品名称	HRP Anti-alpha Tubulin抗体
描述	HRP兔多克隆抗体to alpha Tubulin
宿主	Rabbit
偶联物	HRP
特异性	Cross reactivity will occur with all isoforms of alpha tubulin.
经测试应用	适用于: ELISA, WB
种属反应性	与反应: Human 预测可用于: a wide range of other species 
免疫原	Synthetic peptide: ALEKDYEEVGVSVE , corresponding to amino acids 427-441 of Human alpha Tubulin.  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
常规说明	Do NOT add Sodium Azide!  The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.  If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	Preservative: 0.01% Gentamicin sulphate Constituents: 0.42% Potassium phosphate, 0.88% Sodium chloride, 1% BSA  BSA is Immunoglobulin and Protease free
纯度	Immunogen affinity purified

纯化说明	ab106043 was affinity purified from monospecific antiserum by immunoaffinity purification.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab106043于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration.

靶标

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 TTLL10 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 polyglutamylation, 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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