

产品名称: Tubulin  $\alpha$  Rabbit Polyclonal Antibody  
产品货号: AP Rab19421



## 产品概述 (Summary)

|                        |                                             |
|------------------------|---------------------------------------------|
| 产品名称 (Production Name) | Tubulin $\alpha$ Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit Polyclonal Antibody                  |
| 宿主 (Host)              | Rabbit                                      |
| 应用 (Application)       | WB                                          |
| 种属反应性 (Reactivity)     | Human, Mouse, Rat                           |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | IgG                                                                                      |
| 克隆 (Clonality)      | Polyclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.       |
| 纯化方式 (Purification) | Affinity purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | Tubulin alpha                                                                                                                                                                                                                                 |
| 别名 (Alternative Names) | Alpha-tubulin 1 antibody<br>ALS22 antibody<br>B ALPHA 1 antibody<br>bA408E5.3 antibody<br>H2 ALPHA antibody<br>Hum a tub1 antibody<br>Hum a tub2 antibody<br>LIS3 antibody<br>MGC171407 antibody<br>MGC55332 antibody<br>TBA4A_HUMAN antibody |

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Testis-specific alpha-tubulin antibody  
TUBA1 antibody  
TUBA1A antibody  
tuba1l antibody  
Tuba4a antibody  
Tubulin alpha 1 chain antibody  
Tubulin alpha antibody  
Tubulin alpha-1 chain antibody  
tubulin alpha-1B chain antibody  
Tubulin alpha-4A chain antibody  
Tubulin H2-alpha antibody  
Tubulin, alpha 1 (testis specific) antibody  
tubulin, alpha 1, like antibody  
Tubulin, alpha 4a antibody  
Tubulin, alpha, testis-specific antibody  
Tubulin, alpha-1 antibody  
7846/10376/84790/113457/112714/7277  
Q71U36/P68363/Q9BQE3/Q13748/P68366/Q9NY65.Synthetic peptide from human protein at AA range: 380-420

基因 ID (Gene ID)

蛋白 ID (SwissProt ID)

## 产品应用 (Application)

稀释比 (Dilution Ratio) WB 1:500-2000, ELISA 1:10000-20000  
蛋白分子量 (Molecular Weight) 15kD

## 研究背景 (Background)

Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulins. The genes encoding these microtubule constituents belong to the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes, which are highly conserved among species. This gene encodes alpha tubulin and is highly similar to the mouse and rat Tuba1 genes. Northern blotting studies have shown that the gene expression is predominantly found in morphologically differentiated neurologic cells. This gene is one of three alpha-tubulin genes in a cluster on chromosome 12q.disease:Defects in TUBA1A are the cause of lissencephaly type 3 (LIS3) [MIM:611603]. LIS is characterized by a smooth brain surface due to the absence (agyria) or

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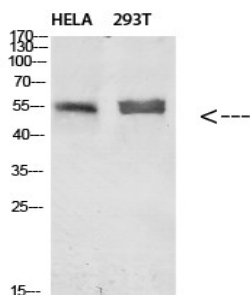


reduction (pachygyria) of surface convolutions. It is often associated with psychomotor retardation and seizures. LIS3 features include agyria or pachygyria or laminar heterotopia, severe mental retardation, motor delay, variable presence of seizures, and abnormalities of corpus callosum, hippocampus, cerebellar vermis and brainstem.,function: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.,PTM:Undergoes a tyrosination/detyrosination cycle, the cyclic removal and re-addition of a C-terminal tyrosine residue by the enzymes tubulin tyrosine carboxypeptidase (TTCP) and tubulin tyrosine ligase (TTL), respectively.,similarity:Belongs to the tubulin family.,subunit:Dimer of alpha and beta chains.,tissue specificity:Expressed at a high level in fetal brain.,

## 研究领域 (Research Area)

Gap junction;Pathogenic Escherichia coli infection;

## 图片 (Image Data)



Western blot analysis of HELA 293T Cell Lysate using antibody. Secondary antibody was diluted at 1:20000

## 注意事项 (Note)

For research use only .