

产品名称: Tubulin α (Acetyl Lys112) Rabbit Polyclonal Antibody
产品货号: APRab06263



产品概述 (Summary)

产品名称 (Production Name)	Tubulin α (Acetyl Lys112) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Acetylated
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% protective protein 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)	TUBA1A
别名 (Alternative Names)	TUBA1A; TUBA3; Tubulin alpha-1A chain; Alpha-tubulin 3; Tubulin B-alpha-1; Tubulin alpha-3 chain; TUBA1B; Tubulin alpha-1B chain; Alpha-tubulin ubiquitousTubulin K-alpha-1; Tubulin alpha-ubiquitous chain; TUBA1C; TUBA6; Tubulin alpha-1C chain; Alpha-tubulin 6; Tubulin alpha-6 chain
基因 ID (Gene ID)	7846/10376/84790
蛋白 ID (SwissProt ID)	Q71U36/P68363/Q9BQE3.Synthesized acetyl-peptide derived from human Tubulin α around the acetylation site of K112.

产品应用 (Application)

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稀释比 (Dilution Ratio) WB 1:500-1:2000, ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight) 50kDa

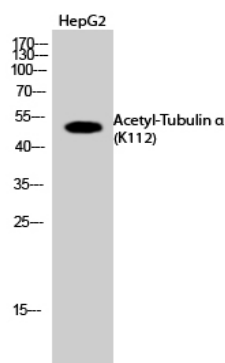
研究背景 (Background)

Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of α and β tubulins. The genes encoding these microtubule constituents belong to the tubulin superfamily, which is composed of six distinct families. Genes from the α , β and γ tubulin families are found in all eukaryotes. The α and β tubulins represent the major components of microtubules, while γ tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple α and β tubulin genes, which are highly conserved among species. This gene encodes α 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 α -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 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 β chain and one at a non-exchangeable site on the α -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 α and β 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 HepG2 cells using Acetyl-Tubulin α (K112) Polyclonal Antibody.. Secondary antibody was diluted

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at 1:20000

注意事项 (Note)

For research use only .