

alpha-tubulin Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15728
Host	Rabbit
Isotype	IgG
Size	20ul, 50uL, 100ul
Immunogen	Recombinant Protein of Tubulin alpha-1A chain
Mol wt	50136
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB
Concentration	
Full name	Tubulin alpha-1A chain
Synonyms	Tubulin alpha-1A chain

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

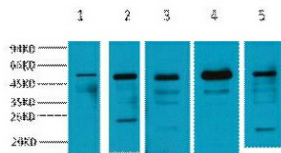
Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulins. The genes encoding these microtubule constituents belong to the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta 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.

Recommended Dilution

WB: 1: 2000

Not yet tested in other applications.

Images



Western blot analysis of 1) Mouse skeletal muscle tissue, 2) Mouse kidney tissue, 3) Mouse Heart Tissue, 4) Mouse brain tissue, 5) Mouse Liver tissue, diluted at 1:2000. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year

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