

Tubulin ? Polyclonal Antibody

Cat No: HR1AP9697

For research use only

Overview

Product Name	Tubulin ? Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	15kDa
GeneID?Human?	Tubulin alpha
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	Alpha-tubulin 1 antibody ALS22 antibody B ALPHA 1 antibody bA408E5.3 antibody H2 ALPHA antibody Hum a tub1 antibody Hum a tub2 antibody LIS3 antibody MGC171407 antibody MGC55332 antibody TBA4A_HUMAN a
Background	<p>tubulin alpha 1a(TUBA1A) Homo sapiens 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.</p>