



α -tubulin rabbit pAb

Cat No.:ES20592

For research use only

Overview

Product Name	α -tubulin rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB: 1:2000
Immunogen	Recombinant Protein of Tubulin alpha-1A chain
Specificity	The antibody detects endogenous α -tubulin protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Tubulin alpha-1A chain
Gene Name	TUBA1A
Cellular localization	Cytoplasm, cytoskeleton.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	
Observed band	52kD
Human Gene ID	7846/10376
Human Swiss-Prot Number	Q71U36/P68363
Alternative Names	YM3217
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.

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(catalog#:RS0002) was diluted at 1:20000

