ELK Biotechnology

Tubulin α (Acetyl Lys401) rabbit pAb

Cat No.:ES20136

For research use only

Overview

Product Name	Tubulin α (Acetyl Lys401) rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human Tubulin α (Acetyl Lys401)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat Tubulin α (Acetyl Lys401)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	Tubulin α (Acetyl Lys401)
Gene Name	TUBA1A TUBA3
Cellular localization	Cytoplasm, cytoskeleton.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	50kD
Human Gene ID	7846
Human Swiss-Prot Number	Q71U36/P68363/Q9BQE3/Q13748/P68366/Q9NY65
Alternative Names	Tubulin alpha-1A chain (Alpha-tubulin 3;Tubulin B-alpha-1;Tubulin alpha-3 chain)
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.