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Recombinant Anti-Alpha-tubulin (Acetyl-K40) Rabbit mAb

Catalog # AP94917

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	Q71U36
Other Accession	P68363, P68366
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	50136

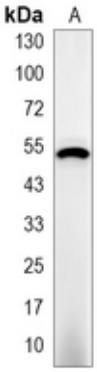
Additional Information

Gene ID	7846
Other Names	TUBA3; Tubulin alpha-1A chain; Alpha-tubulin 3; Tubulin B-alpha-1; Tubulin alpha-3 chain; TUBA1; Tubulin alpha-4A chain; Alpha-tubulin 1; Testis-specific alpha-tubulin; Tubulin H2-alpha; Tubulin alpha-1 chain
Target/Specificity	KLH-conjugated synthetic Acetyl-peptide corresponding to residues surrounding K40 of human Alpha-tubulin. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

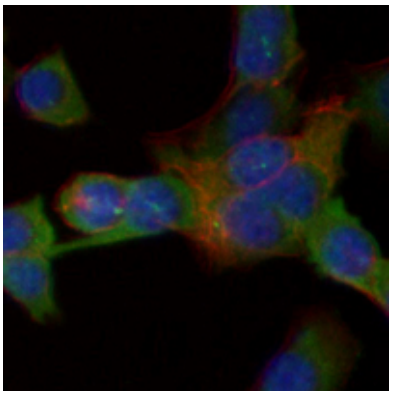
Protein Information

Name	TUBA1A
Synonyms	TUBA3
Function	Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin.
Cellular Location	Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:P68369}
Tissue Location	Expressed at a high level in fetal brain.

Images



Western blot analysis of Alpha-tubulin (Acetyl-K40) expression in HT1080 (A) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 52 kD)



Immunofluorescent analysis of Alpha-tubulin (Acetyl-K40) staining in HT1080 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).