10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Alpha-tubulin (Acetyl-K40) Antibody

Catalog # AP61568

Product Information

Application	WB, IHC
Primary Accession	P68363
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	50152

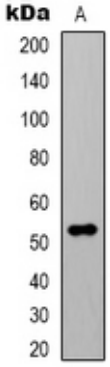
Additional Information

Gene ID	10376
Other Names	Tubulin alpha-1B chain; Alpha-tubulin ubiquitous; Tubulin K-alpha-1; Tubulin alpha-ubiquitous chain
Target/Specificity	KLH-conjugated synthetic acetylated peptide corresponding to residues surrounding K40 of human Alpha-tubulin protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/1000 - 1/2000), IHC (1/100 - 1/200) IHC~~WB (1/1000 - 1/2000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

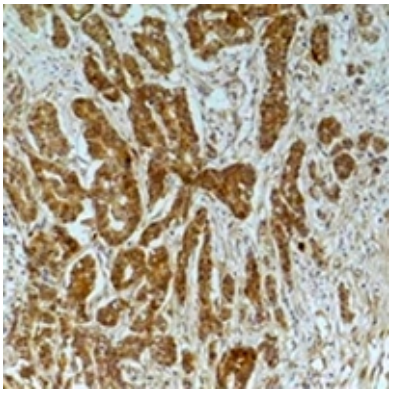
Protein Information

Name	TUBA1B
Function	Tubulin is the major constituent of microtubules, protein filaments consisting of alpha- and beta-tubulin heterodimers (PubMed:38305685, PubMed:34996871, PubMed:38609661). Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms (PubMed:38305685, PubMed:34996871, PubMed:38609661). Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin (PubMed:34996871, PubMed:38609661).
Cellular Location	Cytoplasm, cytoskeleton

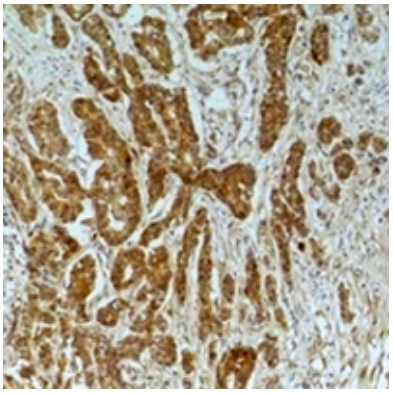
Images



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



Immunohistochemical analysis of Alpha-tubulin (Acetyl-K40) staining in human breast cancer,mouse brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of Alpha-tubulin (AcK40) staining in human breast cancer,mouse brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.