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TUBA1C Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12043b

Product Information

Application	IHC-P, WB, E
Primary Accession	Q9BQE3
Other Accession	P08537, NP_116093.1
Reactivity	Human, Rat, Mouse
Predicted	Xenopus, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31971
Calculated MW	49895
Antigen Region	414-441

Additional Information

Gene ID	84790
Other Names	Tubulin alpha-1C chain, Alpha-tubulin 6, Tubulin alpha-6 chain, TUBA1C, TUBA6
Target/Specificity	This TUBA1C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 414-441 amino acids from the C-terminal region of human TUBA1C.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TUBA1C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TUBA1C
Synonyms	TUBA6

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.

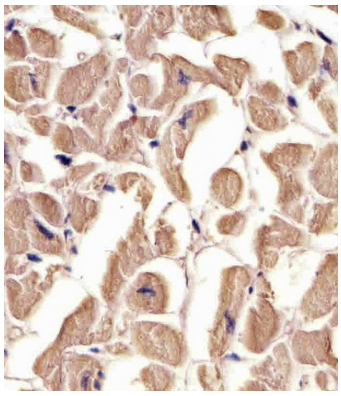
Background

Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain.

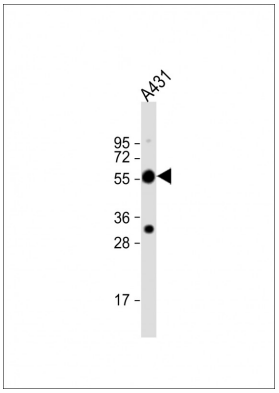
References

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Olsen, J.V., et al. Cell 127(3):635-648(2006)
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Images

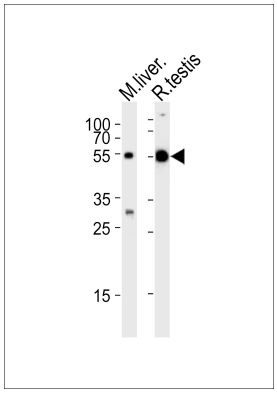


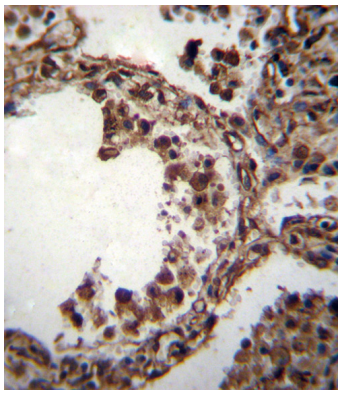
AP12043b staining TUBA1C in human heart tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Anti-TUBA1C Antibody (C-term) at 1:2000 dilution + A431 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Western blot analysis of lysates from mouse liver and rat testis tissue lysate (from left to right), using TUBA1C Antibody (C-term)(Cat. #AP12043b). AP12043b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.





TUBA1C Antibody (C-term) (Cat. #AP12043b)immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TUBA1C Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- Quantitative proteomic study of human prostate cancer cells with different metastatic potentials.

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