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TUBA1C Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20591a

Product Information

Application	WB, FC, E
Primary Accession	Q9BQE3
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB47642
Calculated MW	49895

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 a rabbit immunized with a KLH conjugated synthetic peptide between 26-60 amino acids from the N-terminal region of human TUBA1C.
Dilution	WB~~1:1000 FC~~1:25 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 (N-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.

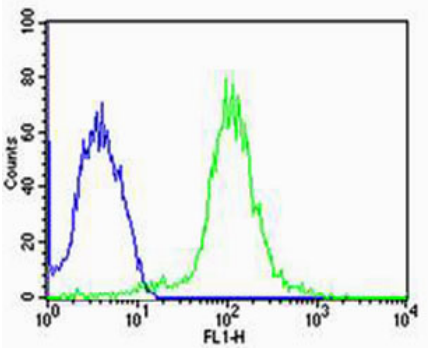
Background

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.

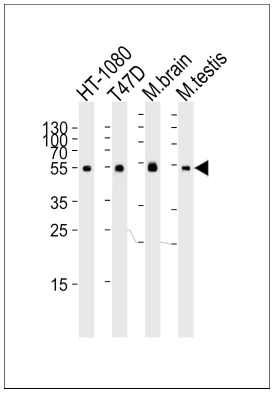
References

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Daub H.,et al.Mol. Cell 31:438-448(2008).
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Images



Flow cytometric analysis of MCF-7 cells using TUBA1C Antibody (N-term)(green, Cat#AP20591a) compared to an isotype control of rabbit IgG(blue). AP20591a was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody.



Western blot analysis of lysates from HT-1080, T47D cell line, mouse brain and testis tissue lysate (from left to right), using TUBA1C Antibody (N-term) (Cat. #AP20591a). AP20591a 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.

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