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TUBA1C Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5132

Product Information

Application	FC, WB
Primary Accession	Q9BQE3
Other Accession	P08537, Q68FR8, P05214, P06605, Q32KN8, Q6PEY2, Q13748, P06603, P02552, Q2HJ86, Q6AYZ1, P68373, P68365, Q3ZCJ7, Q6P9V9, Q2XVP4, P05213, Q4R538, P68363, P68361, P81947, P68370, P02550, P68369, Q71U36, P68362
Reactivity	Human, Mouse, Rat
Predicted	Hamster, Monkey, Bovine, Chicken, Drosophila, Xenopus
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49895
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	84790
Antigen Region	26-60
Other Names	Tubulin alpha-1C chain, Alpha-tubulin 6, Tubulin alpha-6 chain, TUBA1C, TUBA6
Dilution	FC~~1:25 WB~~1:1000
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.
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.

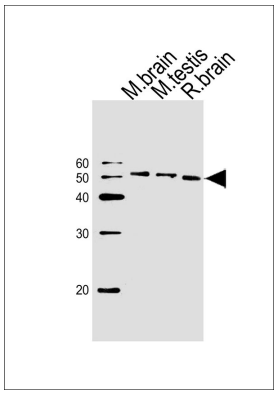
Background

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.

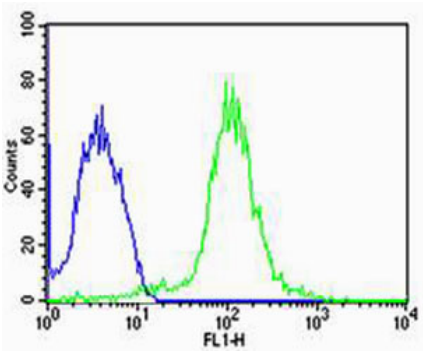
References

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Daub H.,et al.Mol. Cell 31:438-448(2008).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).

Images



Western blot analysis of lysates from mouse brain,mouse testis,rat brain tissue (from left to right), using TUBA1C Antibody (N-term)(Cat. #AW5132). AW5132 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



Flow cytometric analysis of MCF-7 cells using TUBA1C Antibody (N-term)(green, Cat#AW5132) compared to an isotype control of rabbit IgG(blue). AW5132 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody.

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