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TUBA1C Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5132

Specification

TUBA1C Antibody (N-term) - Product Information

Application	**WB, FC,E**
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, P0DPH7, P0DPH8
Reactivity	**Human, Mouse, Rat**
Predicted	**Hamster, Pig, Bovine, Monkey, Chicken, Drosophila, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=50;M=50;Rat=50 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

TUBA1C Antibody (N-term) - 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
WB~~1:1000
FC~~1:25

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

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TUBA1C Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TUBA1C Antibody (N-term) - 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.

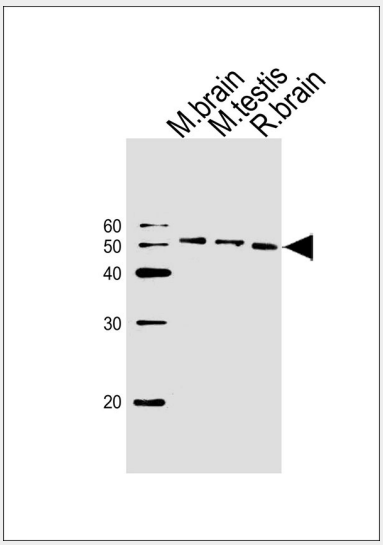
Cellular Location
Cytoplasm, cytoskeleton.

TUBA1C Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TUBA1C Antibody (N-term) - 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

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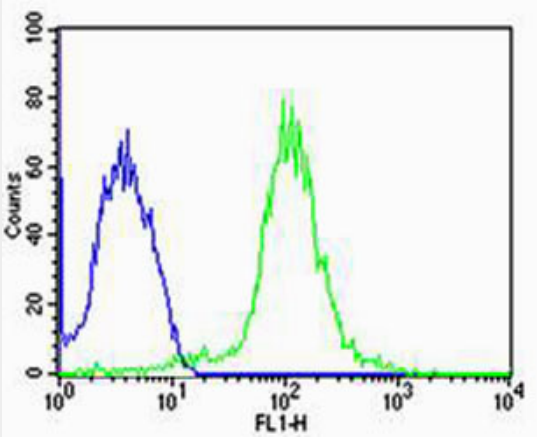
lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



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.

TUBA1C Antibody (N-term) - 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.

TUBA1C Antibody (N-term) - References

Lubec G.,et al.Submitted (MAR-2007) to UniProtKB.
Olsen J.V.,et al.Cell 127:635-648(2006).
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).