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

TUBB2C Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5126c

Product Information

Application	WB, IHC-P, E
Primary Accession	P68371
Other Accession	P09244, Q91575, P69897, Q767L7, P99024, P07437, P69893, Q2KJD0, P30883, Q6P9T8, P68372, Q3MHM5, P09206, Q24560
Reactivity	Human, Rat, Mouse
Predicted	Drosophila, Chicken, Bovine, Mouse, Rat, Xenopus, Hamster, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26221
Calculated MW	49831
Antigen Region	99-125

Additional Information

Gene ID	10383
Other Names	Tubulin beta-4B chain, Tubulin beta-2 chain, Tubulin beta-2C chain, TUBB4B, TUBB2C
Target/Specificity	This TUBB2C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 99-125 amino acids from the Central region of human TUBB2C.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	TUBB2C Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TUBB4B
Synonyms	TUBB2C

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 {ECO:0000250|UniProtKB:P68372}. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:P68372}
Tissue Location	Ubiquitous..

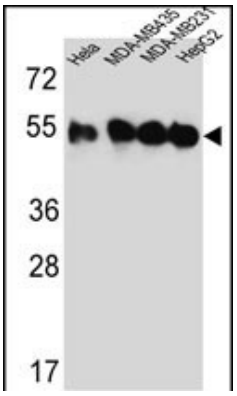
Background

TUBB2C 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.

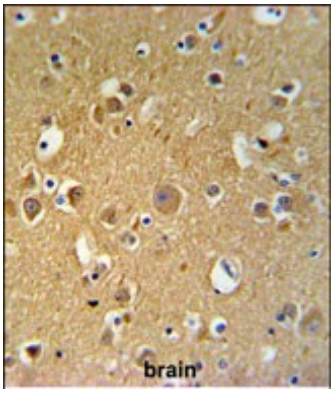
References

Xu, W., et al. Mol. Cancer Ther. 8(12):3318-3330(2009)
Chan, C.M., et al. Arch. Pathol. Lab. Med. 132(4):675-683(2008)
Olsen, J.V., et al. Cell 127(3):635-648(2006)

Images



Western blot analysis of TUBB2C Antibody (Center) (Cat. #AP5126c) in Hela,MDA-MB435,MDA-MB231,HepG2 cell line lysates (35ug/lane). TUBB2C (arrow) was detected using the purified Pab.



TUBB2C Antibody (Center) (Cat. #AP5126c) IHC analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TUBB2C Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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