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TUBB2C Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5635

Product Information

Application	IHC-P, WB
Primary Accession	P68371
Other Accession	P25862, Q9ZSW1, Q24560, Q9ZPP0, Q9YHC3, Q27U48, Q25009, P37392, P18025, O17449, P36221, Q43594, P33188, P29500, P07436, P12459, Q6EVK8, P11482, Q9ZRB2, P33631, Q56YW9, Q39697, Q9ZPN9, Q40106, P18026, P50260, P29501, P12460, Q9ZRB1, Q9ASR0, P09206, Q9ZPN8, Q43695, Q40665, P29502, P28551, Q9Z
Reactivity	Human, Mouse
Predicted	Human, Mouse, Monkey, Dog, Sheep, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49831
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	10383
Antigen Region	99-125
Other Names	Tubulin beta-4B chain, Tubulin beta-2 chain, Tubulin beta-2C chain, TUBB4B, TUBB2C
Dilution	IHC-P~~1:100~500 WB~~1:2000
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.
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..

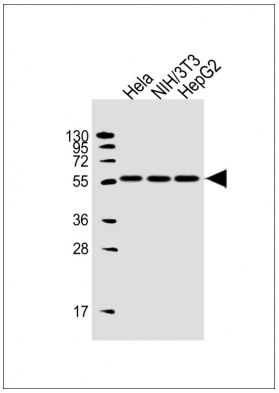
Background

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.

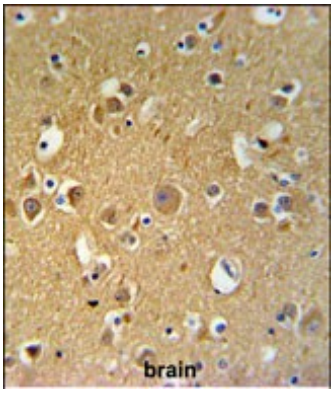
References

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



All lanes : Anti-TUBB2C Antibody (Center) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lane 3: HepG2 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.



TUBB2C Antibody (Center) (Cat. #AW5635) 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.