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TUBB2A Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5576

Product Information

Application	WB
Primary Accession	Q13885
Other Accession	P09203, Q4R5B3, Q7TMM9, P85108, Q6B856, Q9BVA1, Q9CWF2, Q3KRE8, P32882, P13602, P02554
Reactivity	Human
Predicted	Human, Mouse, Monkey, Dog, Sheep, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49907
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	7280
Antigen Region	410-438
Other Names	Tubulin beta-2A chain, Tubulin beta class IIa, TUBB2A, TUBB2
Dilution	WB~~1:1000
Target/Specificity	This TUBB2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 410-438 amino acids from the C-terminal region of human TUBB2A.
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	TUBB2A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TUBB2A
Synonyms	TUBB2

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.
Tissue Location	High expression in brain, where it represents 30% of all beta-tubulins.

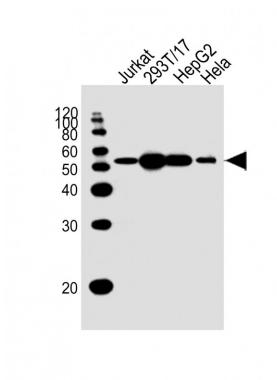
Background

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 (By similarity).

References

Martins-de-Souza, D., et al. J Psychiatr Res 44(14):989-991(2010)
Frum, R., et al. J. Proteome Res. 6(4):1410-1417(2007)
Yeh, T.S., et al. Cancer Res. 64(22):8334-8340(2004)
Okai, T., et al. J. Cell. Sci. 117 (PT 20), 4705-4715 (2004) :
Jin, J., et al. Curr. Biol. 14(16):1436-1450(2004)

Images



All lanes : Anti-TUBB2A Antibody (C-term) at 1:1000 dilution Lane 1: Jurkat whole cell lysate Lane 2: 293T/17 whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: Hela 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.

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