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TBCB Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19083a

Product Information

Application	WB, E
Primary Accession	Q99426
Other Accession	NP_001272.2
Reactivity	Human
Predicted	Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39901
Calculated MW	27326
Antigen Region	42-70

Additional Information

Gene ID	1155
Other Names	Tubulin-folding cofactor B, Cytoskeleton-associated protein 1, Cytoskeleton-associated protein CKAPI, Tubulin-specific chaperone B, TBCB, CG22, CKAP1
Target/Specificity	This TBCB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-70 amino acids from the N-terminal region of human TBCB.
Dilution	WB~~1:1000 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	TBCB Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TBCB {ECO:0000303|PubMed:16303566, ECO:0000312|HGNC:HGNC:1989}
Function	Binds to alpha-tubulin folding intermediates after their interaction with

	cytosolic chaperonin in the pathway leading from newly synthesized tubulin to properly folded heterodimer (PubMed:9265649). Involved in regulation of tubulin heterodimer dissociation. May function as a negative regulator of axonal growth (By similarity).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton. Note=Colocalizes with microtubules. In differentiated neurons, located in the cytoplasm. In differentiating neurons, accumulates at the growth cone.
Tissue Location	Found in most tissues.

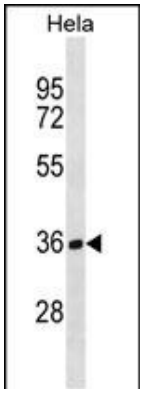
Background

TBCB binds to alpha-tubulin folding intermediates after their interaction with cytosolic chaperonin in the pathway leading from newly synthesized tubulin to properly folded heterodimer. Involved in regulation of tubulin heterodimer dissociation. May function as a negative regulator of axonal growth.

References

Bailey, S.D., et al. Diabetes Care (2010) In press :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Cleveland, D.W., et al. Hum. Mol. Genet. 18(8):1384-1394(2009)
Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009)
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Images



TBCB Antibody (N-term) (Cat. #AP19083a) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the TBCB antibody detected the TBCB protein (arrow).

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