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TBCE Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9670c

Product Information

Application	WB, E
Primary Accession	Q15813
Other Accession	NP_003184
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24405
Calculated MW	59346
Antigen Region	364-392

Additional Information

Gene ID	6905
Other Names	Tubulin-specific chaperone E, Tubulin-folding cofactor E, TBCE
Target/Specificity	This TBCE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 364-392 amino acids from the Central region of human TBCE.
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	TBCE Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TBCE
Function	Tubulin-folding protein; involved in the second step of the tubulin folding pathway and in the regulation of tubulin heterodimer dissociation. Required for correct organization of microtubule cytoskeleton and mitotic splindle, and

maintenance of the neuronal microtubule network.

Cellular Location Cytoplasm. Cytoplasm, cytoskeleton

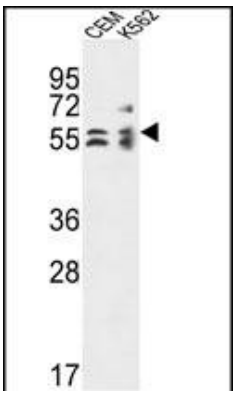
Background

Cofactor E is one of four proteins (cofactors A, D, E, and C) involved in the pathway leading to correctly folded beta-tubulin from folding intermediates. Cofactors A and D are believed to play a role in capturing and stabilizing beta-tubulin intermediates in a quasi-native confirmation. Cofactor E binds to the cofactor D/beta-tubulin complex; interaction with cofactor C then causes the release of beta-tubulin polypeptides that are committed to the native state.

References

Biernacki, M.A., et al. Cancer Res. 70(3):906-915(2010)
Padidela, R., et al. J. Clin. Endocrinol. Metab. 94(8):2686-2691(2009)
Lindgren, C.M., et al. PLoS Genet. 5 (6), E1000508 (2009)
Jin, S., et al. Development 136(9):1571-1581(2009)
Diaz, G.A., et al. Genomics 54(1):13-18(1998)
Parvari, R., et al. Am. J. Hum. Genet. 63(1):163-169(1998)

Images



TBCE Antibody (Center) (Cat. #AP9670c) western blot analysis in CEM,K562 cell line lysates (35ug/lane).This demonstrates the TBCE antibody detected the TBCE protein (arrow).

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