TBCB Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	TBCB, Blocking Peptide
Full Product Name	TBCB Antibody (N-term) Blocking Peptide
Product Gene Name	TBCB blocking peptide
Product Synonym Gene Name	CG22; CKAP1
Product Synonym Names	Tubulin-folding cofactor B; Cytoskeleton-associated protein 1; Cytoskeleton-associated protein CKAPI; Tubulin-specific chaperone B; TBCB; CG22; CKAP1
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	TBCB peptide (MBS9224008) is used for blocking the activity of TBCB antibody (MBS9202093)
Molecular Weight	21,801 Da
OMIM	601303
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.
Related Product Information for TBCB blocking peptide	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.
Other Notes	Small volumes of TBCB blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TBCB purchase	MBS9224008 is a blocking peptide targeting TBCB. Also known as TBCB Antibody (N-term) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TBCB. It may not necessarily be applicable to this product.

NCBI GI #	3023518
NCBI GeneID	1155
NCBI Accession #	Q99426.2
UniProt Primary Accession #	Q99426
UniProt Secondary Accession #	O00111; O00674; O14728; Q6FGY5
UniProt Related Accession #	Q99426
NCBI Official Full Name	Tubulin-folding cofactor B
NCBI Official Synonym Full Names	tubulin folding cofactor B
NCBI Official Symbol	TBCB
NCBI Official Synonym Symbols	CG22; CKAP1; CKAPI

UniProt Protein Name	Tubulin-folding cofactor B
UniProt Synonym Protein Names	Cytoskeleton-associated protein 1; Cytoskeleton-associated protein CKAPI; Tubulin-specific chaperone B
UniProt Gene Name	TBCB
UniProt Synonym Gene Names	CG22; CKAP1
UniProt Entry Name	TBCB_HUMAN
NCBI Protein Information	tubulin-folding cofactor B
UniProt Comments for TBCB	TBCB: a cytoskeletal protein that binds to alpha-tubulin folding intermediates after their interaction with cytosolic chaperonin in the pathway leading from newly synthesized tubulin to properly folded heterodimer. Protein type: Motility/polarity/chemotaxis; Chaperone; Cytoskeletal Chromosomal Location of Human Ortholog: 19q13.11-q13.12 Cellular Component: cytoplasm; microtubule cytoskeleton; nucleoplasm Molecular Function: protein binding
Research Articles on TBCB	**1.** the role of the human TBCE and TBCB chaperones in alpha-tubulin-beta-tubulin dissociation, was investigated.
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