TUBB2B Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	TUBB2B, Blocking Peptide
Full Product Name	TUBB2B Peptide - N-terminal region
Product Gene Name	TUBB2B blocking peptide
Product Synonym Gene Name	DKFZp566F223; FLJ98847; MGC8685; TUBB-PARALOG; bA506K6.1
Sequence	GGGTGSGMGT LLISKIREEY PDRIMNTFSV MPSPKVSDTV VEPYNATLSV
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	TUBB2B peptide (MBS3241872) is used for blocking the activity of TUBB2B antibody (MBS3216973)
Molecular Weight	50kDa
OMIM	BT019930 mRNA
Product Categories/Family for TUBB2B blocking peptide	Peptide
Applications Tested/Suitable for TUBB2B blocking peptide	Western Blot (WB)
Related Product Information for TUBB2B blocking peptide	This is a synthetic peptide designed for use in combination with anti-TUBB2B Antibody, made Target Description: The protein encoded by this gene is a beta isoform of tubulin, which binds GTP and is a major component of microtubules. This gene is highly similar to TUBB2A and TUBB2C. Defects in this gene are a cause of asymmetric polymicrogyria.
Other Notes	Small volumes of TUBB2B 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 TUBB2B purchase	MBS3241872 is a blocking peptide targeting TUBB2B. Also known as TUBB2B Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TUBB2B. It may not necessarily be applicable to this product.

NCBI GI #	29788768
NCBI GeneID	347733
NCBI Accession #	NP_821080
UniProt Primary Accession #	Q9BVA1
UniProt Related Accession #	Q9BVA1
GenBank Nucleotide #	NM_178012
NCBI Official Full Name	tubulin beta-2B chain

NCBI Official Synonym Full Names	tubulin beta 2B class IIb
NCBI Official Symbol	TUBB2B
NCBI Official Synonym Symbols	CDCBM7; PMGYSA; bA506K6.1
UniProt Protein Name	Tubulin beta-2B chain
Protein Family	Tubulin
UniProt Gene Name	TUBB2B
NCBI Protein Information	tubulin beta-2B chain
NCBI Summary for TUBB2B	The protein encoded by this gene is a beta isoform of tubulin, which binds GTP and is a major component of microtubules. This gene is highly similar to TUBB2A and TUBB2C. Defects in this gene are a cause of asymmetric polymicrogyria. [provided by RefSeq, Mar 2010]
UniProt Comments for TUBB2B	Tubulin is the major constituent of microtubules (PubMed:23001566, PubMed:28013290, PubMed:26732629). 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 (). Plays a critical role in proper axon guidance in both central and peripheral axon tracts (PubMed:23001566). Implicated in neuronal migration (PubMed:19465910).
Research Articles on TUBB2B	**1.** CPAP regulates delivery of its bound beta-tubulin to define the size of microtubule-based cellular structures using a "clutch-like" mechanism.
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