TBCA Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	TBCA, Monoclonal Antibody
Full Product Name	TBCA (Tubulin-specific Chaperone A, TCP1-chaperonin Cofactor A, Tubulin-folding Cofactor A) (MaxLight 490)
Product Gene Name	anti-TBCA antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1D2
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TBCA.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery o centrifuge the original vial prior to removing the cap.
Molecular Weight	15,792 Da
Immunogen	Full length recombinant corresponding to aa1-109 from human TBCA (AAH18210) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MADPRVRQIKIKTGVVKRLVKEKVMYEKEAKQQEEKIEKMSAEDGENYDIKKQAEILQESRMMIPDCQRRLEAAYLDLQRILENEKDLEEAEEYKEARLVLI
Conjugate	MaxLight490
Product Categories/Family for anti-TBCA antibody	Antibodies; Tubulin
Applications Tested/Suitable for anti-TBCA antibody	FLISA, Western Blot (WB)
Application Notes for anti-TBCA antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TBCA antibody	The product of this gene 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. Cofac 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 state. This gene encodes chaperonin cofactor A.

Other Notes	Small volumes of anti-TBCA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess 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 add dry ice fee may apply.
Searchable Terms for TBCA purchase	MBS6203667 is an antibody targeting TBCA. Also known as TBCA (Tubulin-specific Chaperone A, TCP1-chaperonin Cofactor A, Tubulin-folding Cofac (MaxLight 490). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	17390469
NCBI GeneID	6902
NCBI Accession #	BC018210
NCBI Related Accession #	AAH18210
UniProt Secondary Accession #	B4DT30
UniProt Related Accession #	O75347
NCBI Official Full Name	Homo sapiens tubulin folding cofactor A, mRNA
NCBI Official Synonym Full Names	tubulin folding cofactor A
NCBI Official Symbol	TBCA
NCBI Protein Information	tubulin-specific chaperone A
NCBI Summary for TBCA	The product of this gene 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. This gene encodes chaperonin cofactor A. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]
Research Articles on TBCA	**1.** overexpression of TBCA did not induce biocharacteristics that directly contrasted to those of TBCA knockdown
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