

Mouse anti-Human TBCA Monoclonal Antibody | anti-TBCA antibody

TBCA antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48059	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

TBCA; Monoclonal Antibody; TBCA antibody; Tubulin folding cofactor A; chaperonin cofactor a; tubulin specific chaperone a; Tubulin folding cofactor A CFA; Co chaperonin associated with a & b tubulin; Cofactor A; TCP1 chaperonin cofactor A; Tubulin cofactor a.; anti-TBCA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT1A5
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	108
Applicable Applications for anti-TBCA antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant TBCA (1-108aa) purified from E. coli
Clone Note	Anti-human TBCA mAb, clone AT1A5, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human TBCA protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of TBCA in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human TBCA antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of TBCA in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human TBCA antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The LNCap cell lysates (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human TBCA antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human TBCA antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: K562 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-TBCA antibody	Tubulin folding cofactor A, also known as TBCA, 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 in a quasi-native confirmation. This protein is essential for cell viability and its knockdown produces a decrease in the amount of soluble tubulin, modifications in microtubules and G1 cell cycle arrest.
Product Categories/Family for anti-TBCA antibody	Cell Cycle
References	Nolasco S, et al., (2005) FEBS Lett 579 (17):3515-3524; Tian G, et al., (1996) Cell 86 (2):287-296

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759212
NCBI GeneID	6902
NCBI Accession #	NP_004598
NCBI GenBank Nucleotide #	NM_004607.2
UniProt Accession #	O75347; B4DT30
Molecular Weight	15,792 Da
NCBI Official Full Name	tubulin-specific chaperone A isoform 2
NCBI Official Synonym Full Names	tubulin folding cofactor A
NCBI Official Symbol	TBCA
NCBI Protein Information	tubulin-specific chaperone A
UniProt Protein Name	Tubulin-specific chaperone A
UniProt Gene Name	TBCA
UniProt Synonym Gene Names	CFA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.