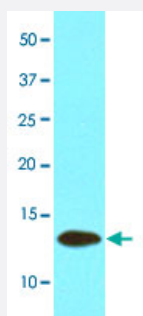


TBCA monoclonal antibody, clone AT1A5

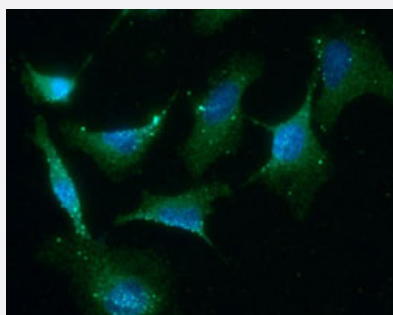
Catalog # MAB6509 Size 100 uL

Applications



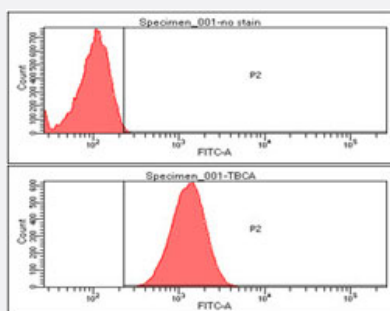
Western Blot (Cell lysate)

Western blot analysis of LNCaP (20 ug) cell lysate were resolved by SDS-PAGE, transferred to NC membrane and probed with TBCA monoclonal antibody, clone AT1A5 (Cat # MAB6509) (1 : 1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Immunofluorescence

Immunofluorescence analysis A549 cells. The cell was stained with TBCA monoclonal antibody, clone AT1A5 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



Flow Cytometry

Flow cytometric analysis of HeLa cell line, staining at 2-5 ug for 1x 10⁶ cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate.

Specification

Product Description

Mouse monoclonal antibody raised against full length recombinant TBCA.

Immunogen

Recombinant protein corresponding to full length human TBCA.

Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG2b, kappa
Recommend Usage	ELISA Flow Cytometry Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of LNCaP (20 ug) cell lysate were resolved by SDS-PAGE, transferred to NC membrane and probed with TBCA monoclonal antibody, clone AT1A5 (Cat # MAB6509) (1 : 1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis A549 cells. The cell was stained with TBCA monoclonal antibody, clone AT1A5 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of HeLa cell line, staining at 2-5 ug for 1×10^6 cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate.

Gene Info — TBCA

Entrez GeneID [6902](#)

Protein Accession# [NP_004598](#)

Gene Name TBCA

Gene Alias -

Gene Description tubulin folding cofactor A

Omim ID [610058](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations chaperonin cofactor A|tubulin-specific chaperone a

Publication Reference

- [Tubulin cofactor A gene silencing in mammalian cells induces changes in microtubule cytoskeleton, cell cycle arrest and cell death.](#)

Nolasco S, Bellido J, Goncalves J, Zabala JC, Soares H.

FEBS Letters 2005 Jul; 579(17):3515.

Application: WB-Tr, Human, HeLa, MCF-7 cells

- [Pathway leading to correctly folded beta-tubulin.](#)

Tian G, Huang Y, Rommelaere H, Vandekerckhove J, Ampe C, Cowan NJ.

Cell 1996 Jul; 86(2):287.

Disease

- [Genetic Predisposition to Disease](#)

- [Obesity](#)
- [Tobacco Use Disorder](#)