

32-6228: Mouse Anti Human Tubulin Folding Cofactor A(Clone: PAT1A5AT.)

Clonality :	Monoclonal
Clone Name :	PAT1A5AT.
Application :	ELISA, WB
Gene :	TERF2IP
Gene ID :	54386
Uniprot ID :	Q9NYB0
Format :	Purified
Alternative Name :	Tubulin-specific chaperone A, Tubulin-folding cofactor A, CFA, TCP1-chaperonin cofactor A, TBCA.
Isotype :	Mouse IgG2b heavy chain and ? light chain.
Immunogen Information :	Anti-human TBCA mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human TBCA amino acids 1-108 purified from E. coli.

Description

TBCA is a tubulin-folding protein which is involved in the early step of the tubulin folding pathway. TBCA is one of four proteins (cofactors A, D, E, and C) implicated in the pathway directing to properly folded beta-tubulin from folding intermediates. Cofactors A and D are thought to be a factor in capturing and stabilizing beta-tubulin in a quasi-native confirmation. TBCA is crucial for cell viability, if reduced it causes a decrease in the amount of soluble tubulin, alterations in microtubules and G1 cell cycle arrest. Cofactor E attaches to the cofactor D-tubulin complex, afterward, interaction with cofactor C triggers the release of tubulin polypeptides that are committed to the native state.

Product Info

Amount :	20 µg
Purification :	TBCA antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

TBCA antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1000 ~ 2000. Recommended starting dilution is 1:1000.