

Datasheet for ABIN7598945
anti-TBCA antibody (AA 1-108)



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Overview

Quantity:	100 µg
Target:	TBCA
Binding Specificity:	AA 1-108
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TBCA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CFA/TBCA Antibody Picoband®
Immunogen:	E.coli-derived human CFA/TBCA recombinant protein (Position: M1-A108).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CFA/TBCA Antibody Picoband® (ABIN7598945). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	TBCA
Alternative Name:	TBCA (TBCA Products)
Background:	Synonyms: Interleukin-34, IL-34, IL34, C16orf77 Tissue Specificity: Detected in the sinusoidal epithelium in the red pulp of spleen. Predominantly expressed in spleen. Also detected in a range of other tissues including heart, brain, lung, liver, kidney, thymus, testis, ovary, small intestine, prostate and colon. Background: Tubulin-specific chaperone A is a protein that in humans is encoded by the TBCA gene. 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.
Molecular Weight:	18 kDa
Gene ID:	6902
UniProt:	O75347
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Mao, M., Fu, G., Wu, J.-S., Zhang, Q.-H., Zhou, J., Kan, L.-X., Huang, Q.-H., He, K.-L., Gu, B.-W., Han, Z.-G., Shen, Y., Gu, J., Yu, Y.-P., Xu, S.-H., Wang, Y.-X., Chen, S.-J., Chen, Z. Identification of genes expressed in human CD34+ hematopoietic stem/progenitor cells by expressed sequence tags and efficient full-length cDNA cloning. Proc. Nat. Acad. Sci. 95: 8175-8180, 1998. 2. Nolasco, S., Bellido, J., Goncalves, J., Zabala, J. C., Soares, H. Tubulin cofactor A gene silencing in mammalian cells induces changes in microtubule cytoskeleton, cell cycle arrest and cell death. FEBS Lett. 579: 3515-3524, 2005. 3. Tian, G., Huang, Y., Rommelaere, H., Vandekerckhove, J., Ampe, C., Cowan, N. J. Pathway leading to correctly folded beta-tubulin. Cell 86: 287-296, 1996.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.