Rabbit anti-Human CFA/TBCA Polyclonal Antibody | anti-TBCA antibody

Anti-CFA/TBCA Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126477	**Rabbit**	**Human**	**ELISA, Flow Cytometry, Functional Assay, Western Blot**

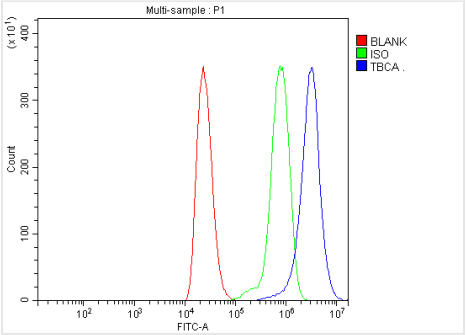
PRODUCT SYNONYMS

CFA/TBCA; Polyclonal Antibody; Anti-CFA/TBCA Antibody Picoband; anti-TBCA antibody

PRODUCT SPECIFICATIONS

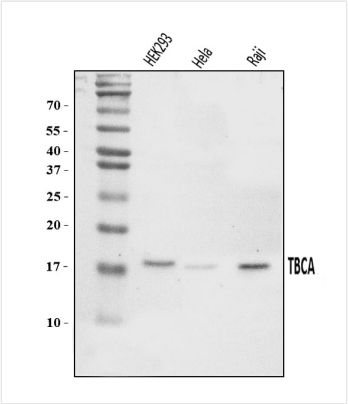
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TBCA antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human CFA/TBCA recombinant protein (Position: M1-A108).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of THP-1 cells using anti-CFA/TBCA antibody (AAA126477).Overlay histogram showing THP-1 cells stained with AAA126477 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CFA/TBCA Antibody (AAA126477, 1 ug/1x10^6 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of CFA/TBCA using anti-CFA/TBCA antibody (AAA126477).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HEK293 whole cell lysates,Lane 2: human Hela whole cell lysates,Lane 3: human Raji whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CFA/TBCA antigen affinity purified polyclonal antibody (#AAA126477) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CFA/TBCA at approximately 18 kDa. The expected band size for CFA/TBCA is at 18 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TBCA antibody	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.
Product Categories/Family for anti-TBCA antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	663071149
NCBI GeneID	6902
NCBI Accession #	NP_001284667.1
NCBI GenBank Nucleotide #	NM_001297738.1
UniProt Accession #	O75347; B4DT30
Molecular Weight	15,792 Da
NCBI Official Full Name	tubulin-specific chaperone A isoform 1
NCBI Official Synonym Full Names	tubulin folding cofactor A
NCBI Official Symbol	TBCA
NCBI Protein Information	tubulin-specific chaperone A; CFA; TCP1-chaperonin cofactor A; tubulin-folding cofactor A

UniProt Protein Name	Tubulin-specific chaperone A
UniProt Gene Name	**TBCA**
UniProt Synonym Gene Names	CFA
UniProt Entry Name	TBCA_HUMAN

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.

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Online datasheet: https://www.aaabiotech.com/polyclonal/cfa-tbca-antibody-flow-cytometry-western-blot-elisa/126477