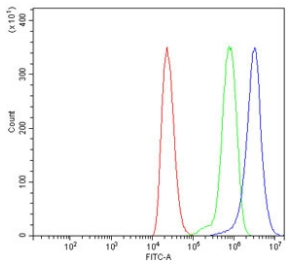
TBCA Antibody / Tubulin-specific chaperone A / CFA (RQ6687)

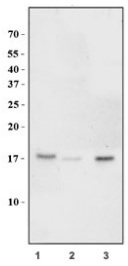
Catalog No.	Formulation	Size
RQ6687	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O75347
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This TBCA antibody is available for research use only.



Flow cytometry testing of human ThP-1 cells with TBCA antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TBCA antibody.



Western blot testing of human 1) HEK293, 2) HeLa and 3) Raji cell lysate with TBCA antibody. Expected molecular weight: 13-16 kDa.

Description

Tubulin-specific chaperone A, also called Tubulin-folding cofactor A (CFA), 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.

Application Notes

Optimal dilution of the TBCA antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-A108) was used as the immunogen for the TBCA antibody.

Storage

After reconstitution, the TBCA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.