10320 Camino Santa Fe, Suite G
San Diego, CA 92121
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TBCC Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2219a

Specification

TBCC Antibody - Product Information

Application	**E, WB, IF, IHC**
Primary Accession	Q15814
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**39.2kDa KDa**

Description
Cofactor C 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.

Immunogen
Purified recombinant fragment of human *** (AA: 1-196) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

TBCC Antibody - Additional Information

Gene ID 6903

Other Names
Tubulin-specific chaperone C, Tubulin-folding cofactor C, CFC, TBCC

Dilution
E~~1/10000
WB~~1/500 - 1/2000
IF~~1/200 - 1/1000
IHC~~1/200 - 1/1000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TBCC Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TBCC Antibody - Protein Information

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Name TBCC

Function
Tubulin-folding protein; involved in the final step of the tubulin folding pathway.

Cellular Location
Cytoplasm. Note=Detected predominantly in the photoreceptor connecting cilium

Tissue Location
Expressed in the retina. Expressed in the rod and cone photoreceptors, extending from the inner segments (IS), through the outer nuclear layer (ONL) and into the synapses in the outer plexiform layer (OPL). Strongly expressed to the photoreceptor connecting cilium at the tips of the IS (at protein level)

TBCC Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture