

TBCC Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13475a**Specification**

TBCC Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q15814
Other Accession	NP_003183.1
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39248
Antigen Region	20-49

TBCC Antibody (N-term) - Additional Information**Gene ID** 6903**Other Names**

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

Target/Specificity

This TBCC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 20-49 amino acids from the N-terminal region of human TBCC.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

TBCC Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TBCC Antibody (N-term) - Protein Information**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

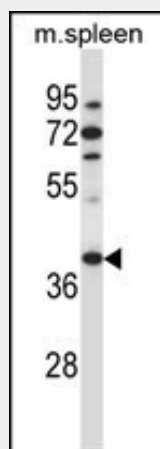
Tissue Location

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 (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TBCC Antibody (N-term) - Images

TBCC Antibody (N-term) (Cat. #AP13475a) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the TBCC antibody detected the TBCC protein (arrow).

TBCC Antibody (N-term) - Background

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.

TBCC Antibody (N-term) - References

Hage-Sleiman, R., et al. BMC Cancer 10, 135 (2010) :
Nature 447(7145):661-678(2007)
Mungall, A.J., et al. Nature 425(6960):805-811(2003)
Bartolini, F., et al. J. Biol. Chem. 277(17):14629-14634(2002)
Tian, G., et al. Cell 86(2):287-296(1996)