

TBCE Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9670c**Specification**

TBCE Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O15813](#)
Other Accession [NP_003184](#)

TBCE Antibody (Center) Blocking Peptide - Additional Information

Gene ID 6905

Other Names

Tubulin-specific chaperone E, Tubulin-folding cofactor E, TBCE

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TBCE Antibody (Center) Blocking Peptide - Protein Information

Name TBCE

Function

Tubulin-folding protein; involved in the second step of the tubulin folding pathway and in the regulation of tubulin heterodimer dissociation. Required for correct organization of microtubule cytoskeleton and mitotic spindle, and maintenance of the neuronal microtubule network.

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton

TBCE Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TBCE Antibody (Center) Blocking Peptide - Images**TBCE Antibody (Center) Blocking Peptide - Background**

Cofactor E 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.

TBCE Antibody (Center) Blocking Peptide - References

Biernacki, M.A., et al. Cancer Res. 70(3):906-915(2010) Padidela, R., et al. J. Clin. Endocrinol. Metab. 94(8):2686-2691(2009) Lindgren, C.M., et al. PLoS Genet. 5 (6), E1000508 (2009) Jin, S., et al. Development 136(9):1571-1581(2009) Diaz, G.A., et al. Genomics 54(1):13-18(1998) Parvari, R., et al. Am. J. Hum. Genet. 63(1):163-169(1998)