

TCEB3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14198c

Specification

TCEB3 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q14241](#)

TCEB3 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 6924

Other Names

Transcription elongation factor B polypeptide 3, Elongin 110 kDa subunit, Elongin-A, EloA, RNA polymerase II transcription factor SIII subunit A1, SIII p110, TCEB3

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.

TCEB3 Antibody (Center) Blocking Peptide - Protein Information

Name ELOA ([HGNC:11620](#))

Synonyms TCEB3

Function

SIII, also known as elongin, is a general transcription elongation factor that increases the RNA polymerase II transcription elongation past template-encoded arresting sites. Subunit A is transcriptionally active and its transcription activity is strongly enhanced by binding to the dimeric complex of the SIII regulatory subunits B and C (elongin BC complex).

Cellular Location

Nucleus. Note=Localizes to sites of DNA damage.

TCEB3 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TCEB3 Antibody (Center) Blocking Peptide - Images**TCEB3 Antibody (Center) Blocking Peptide - Background**

This gene encodes the protein elongin A, which is a subunit of the transcription factor B (TFIIB) complex. The TFIIB complex is composed of elongins A/A2, B and C. It activates elongation by RNA polymerase II by suppressing transient pausing of the polymerase at many sites within transcription units. Elongin A functions as the transcriptionally active component of the TFIIB complex, whereas elongins B and C are regulatory subunits. Elongin A2 is specifically expressed in the testis, and capable of forming a stable complex with elongins B and C. The von Hippel-Lindau tumor suppressor protein binds to elongins B and C, and thereby inhibits transcription elongation.

TCEB3 Antibody (Center) Blocking Peptide - References

Landa, I., et al. PLoS Genet. 5 (9), E1000637 (2009) :Olsen, J.V., et al. Cell 127(3):635-648(2006)Woo, J.S., et al. EMBO J. 25(6):1353-1363(2006)Andersen, J.S., et al. Nature 433(7021):77-83(2005)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)