

**TCEB1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14814b****Specification**

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**TCEB1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q15369](#)**TCEB1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 6921**Other Names**

Transcription elongation factor B polypeptide 1, Elongin 15 kDa subunit, Elongin-C, EloC, RNA polymerase II transcription factor SIII subunit C, SIII p15, TCEB1

**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.

**TCEB1 Antibody (C-term) Blocking Peptide - Protein Information****Name** ELOC ([HGNC:11617](#))**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) (PubMed:&lt;a href="http://www.uniprot.org/citations/7821821" target="\_blank"&gt;7821821&lt;/a&gt;). In embryonic stem cells, the elongin BC complex is recruited by EPOP to Polycomb group (PcG) target genes in order generate genomic region that display both active and repressive chromatin properties, an important feature of pluripotent stem cells (By similarity).

**Cellular Location**

Nucleus.

**Tissue Location**

Overexpressed in prostate cancer cell line PC-3 and breast cancer cell line SK-BR-3.

## **TCEB1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **TCEB1 Antibody (C-term) Blocking Peptide - Images**

## **TCEB1 Antibody (C-term) Blocking Peptide - Background**

This gene encodes the protein elongin C, which is a subunit of the transcription factor B (SIII) complex. The SIII 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 SIII 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.

## **TCEB1 Antibody (C-term) Blocking Peptide - References**

Marcisin, S.R., et al. J. Mol. Biol. 402(5):892-904(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ; Lievens, S., et al. J. Proteome Res. 8(2):877-886(2009) Jalava, S.E., et al. Int. J. Cancer 124(1):95-102(2009) Piessevaux, J., et al. J. Biol. Chem. 283(31):21334-21346(2008)