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TCEB1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14814b

Specification

TCEB1 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q15369
Other Accession	P83941, P83940, Q2KII4, NP_005639.1
Reactivity	**Human**
Predicted	**Bovine, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**69-98**

TCEB1 Antibody (C-term) - 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

Target/Specificity
This TCEB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 69-98 amino acids from the C-terminal region of human TCEB1.

Dilution
WB~~1:1000
IHC-P~~1:10~50

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
TCEB1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TCEB1 Antibody (C-term) - 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:7821821). 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.

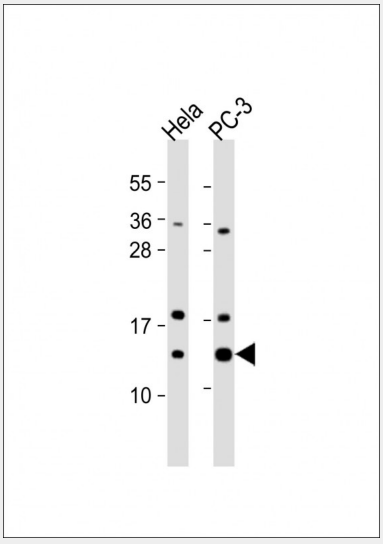
Tissue Location
Overexpressed in prostate cancer cell line PC-3 and breast cancer cell line SK-BR-3.

TCEB1 Antibody (C-term) - 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

TCEB1 Antibody (C-term) - Images



All lanes : Anti-TCEB1 Antibody (C-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 12 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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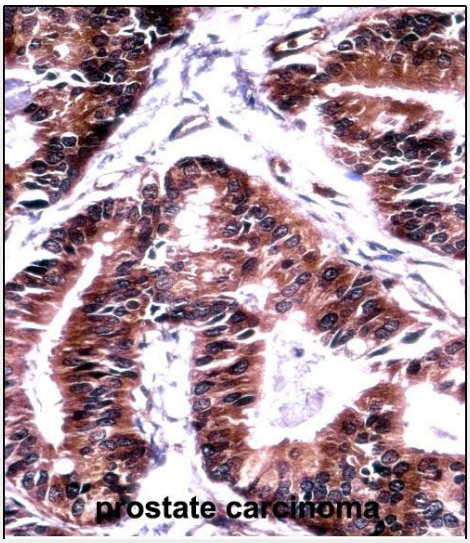

TCEB1 Antibody (C-term) (AP14814b)immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TCEB1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

TCEB1 Antibody (C-term) - 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) - References

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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)
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