

Datasheet for ABIN2777254
anti-TCEB2 antibody (Middle Region)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	TCEB2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Rabbit, Cow, Dog, Goat, Zebrafish (Danio rerio), Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCEB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TCEB2
Sequence:	TARPQAPATV GLAFRADDTF EALCIEPFSS PPELPDVMKP QDSGSSANEQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 93%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against TCEB2. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	TCEB2
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Target Details

Alternative Name: TCEB2 ([TCEB2 Products](#))

Background: TCEB2 is the protein elongin B, 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. This gene encodes the protein elongin B, 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. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Alias Symbols: SIII, ELOB

Protein Interaction Partner: vif, TCEB1, SOCS4, CUL5, UBC, PRAME, VHL, ASB18, ASB12, ASB14, ASB15, ASB9, ASB8, ASB7, ASB6, ASB5, ASB10, ASB17, ASB16, ASB13, ASB1, ASB3, LRRC47, LARS, EPRS, CDC42, CUL2, ASB2, Zswim8, CSNK1E, NOS2, NEDD8, HIF1A, CFTR, FEM1B, SOCS3, EPAS1, Lrrc41, Wsb1,

Protein Size: 118

Molecular Weight: 13 kDa

Gene ID: 6923

NCBI Accession: [NM_007108](#), [NP_009039](#)

UniProt: [Q15370](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

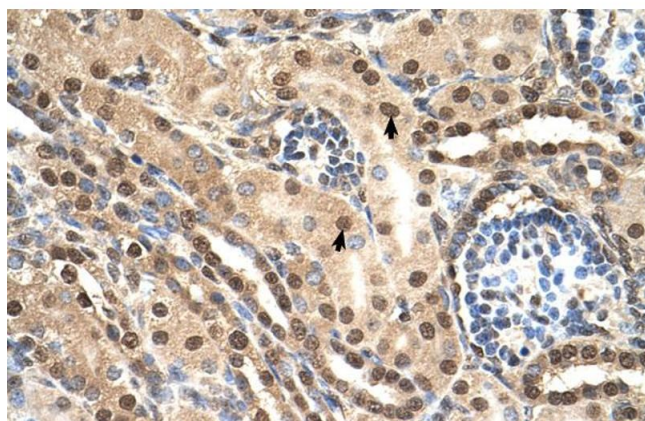
Comment: Antigen size: 118 AA

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Human kidney



Western Blotting

Image 2. WB Suggested Anti-TCEB2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: HepG2 cell lysate