

Rabbit TCEB2 Polyclonal Antibody | anti-TCEB2 antibody

TCEB2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327003	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

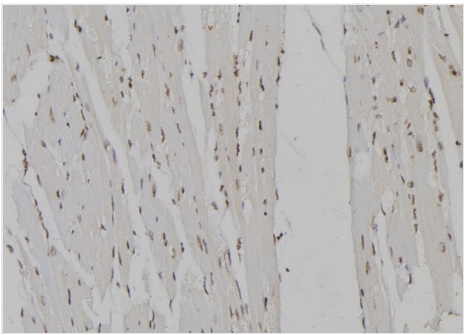
PRODUCT SYNONYMS

TCEB2; Polyclonal Antibody; TCEB2 Antibody; EloB; ELOB_HUMAN; Elongin 18 kDa subunit; Elongin B; Elongin-B; RNA polymerase II transcription factor SIII p18 subunit; RNA polymerase II transcription factor SIII subunit B; SIII; SIII p18; TCEB 2; Tceb2; Transcription elongation factor B (SIII) polypeptide 2; Transcription elongation factor B polypeptide 2; anti-TCEB2 antibody

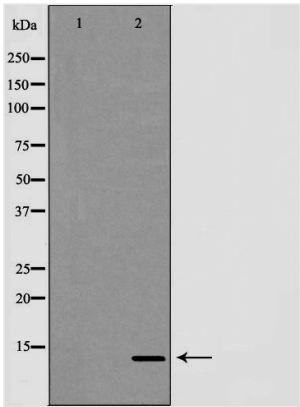
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TCEB2 antibody detects endogenous levels of total TCEB2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	118
Applicable Applications for anti-TCEB2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TCEB2
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Sheep, Xenopus
Similarity	Pig (100%), Sheep (100%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327003 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using TCEB2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TCEB2 antibody

Description: 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. Pseudogenes have been identified on chromosomes 11 and 13.

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:7638163). 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).

Subunit Structure: Heterotrimer of an A (ELOA, ELOA2 or ELOA3), ELOB and ELOC subunit (PubMed:10205047, PubMed:17997974). The elongin BC complex interacts with EPOP; leading to recruit the elongin BC complex to Polycomb group (PcG) target genes, thereby restricting excessive activity of the PRC2/EED-EZH2 complex (By similarity). Part of E3 ubiquitin ligase complexes with CUL5 or CUL2, RBX1 and a substrate adapter protein that can be either SOCS1, SOCS5, ELOA, VHL or WSB1 (PubMed:15590694, PubMed:22286099). Interacts with VHL (PubMed:10205047, PubMed:11006129). Found in a complex composed of LIMD1, VHL, EGLN1/PHD2, ELOB and CUL2. Interacts with SPSB1 (PubMed:17189197). Interacts with KLHDC10; which may be an E3 ubiquitin ligase complex substrate recognition component (PubMed:23102700).

NCBI AND UNIPROT INFORMATION

NCBI GI #	6005890
NCBI GeneID	6923
NCBI Accession #	NP_009039.1
NCBI GenBank Nucleotide #	NM_007108.3
UniProt Accession #	Q15370; B7WPD3
Molecular Weight	Observed: 13 kDa Predicted: 14 kDa
NCBI Official Full Name	elongin-B isoform a
NCBI Official Synonym Full Names	elongin B

NCBI Official Symbol	ELOB
NCBI Official Synonym Symbols	SIII; TCEB2
NCBI Protein Information	elongin-B
UniProt Protein Name	Elongin-B
UniProt Gene Name	ELOB
UniProt Synonym Gene Names	EloB

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tceb2-antibody-immunohistochemistry-western-blot-elisa/327003>