

Product datasheet for **TA329241**

ELOB Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TCEB2 antibody: synthetic peptide directed towards the middle region of human TCEB2. Synthetic peptide located within the following region: TARPQAPATVGLAFRADDTFEALCIEPFSSPPELPDVMKPDQSGSSANEQ
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	13 kDa
Gene Name:	transcription elongation factor B subunit 2
Database Link:	NP_009039 Entrez Gene 6923 Human Q15370



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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.

Synonyms:

ELOB; SIII

Note:

Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Goat: 100%; Human: 100%; Bovine: 100%; Rabbit: 100%; Mouse: 93%; Zebrafish: 93%; Guinea pig: 93%

Protein Families:

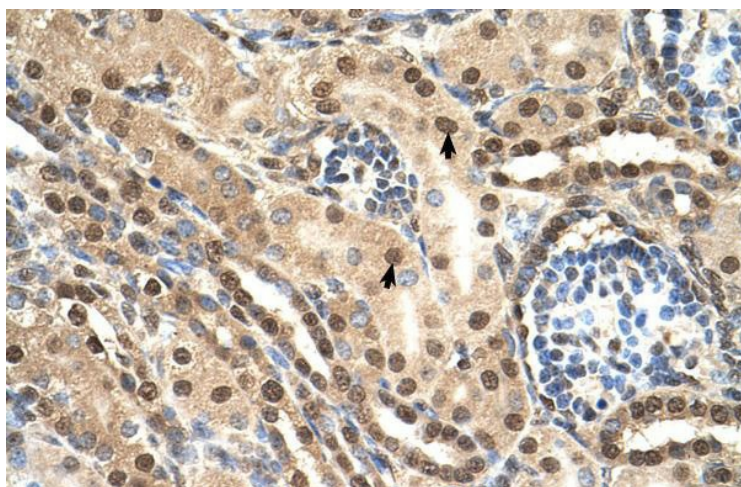
Druggable Genome, Transcription Factors

Protein Pathways:

Pathways in cancer, Renal cell carcinoma, Ubiquitin mediated proteolysis

Product images:

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



Human kidney