Rabbit TCEB2/Elongin-B/ELOB Polyclonal Antibody | anti-ELOB antibody

Anti-TCEB2/Elongin-B/ELOB Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19645	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

TCEB2/Elongin-B/ELOB; Polyclonal Antibody; Anti-TCEB2/Elongin-B/ELOB Antibody Picoband; anti-ELOB antibody

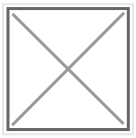
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ELOB antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Application Notes	WB: 0.25-0.5 ug/ml, Human IHC-P: 2-5 ug/ml, Human, Mouse, Rat ICC/IF: 5 ug/ml, Human FC/FACS: 1-3 ug/1x10^6 cells, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TCEB2/Elongin-B/ELOB recombinant protein (Position: M1-Q118).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

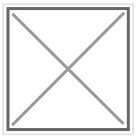
IMAGES

FCM (Flow Cytometry)
Figure 6. Flow Cytometry analysis of JK cells using anti-TCEB2/Elongin-B/ELOB antibody (AAA19645).Overlay histogram showing JK cells stained with AAA19645 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TCEB2/Elongin-B/ELOB Antibody (AAA19645, 1 ug/1x10^6 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

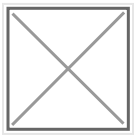
IF (Immunofluorescence)
Figure 5. IF analysis of TCEB2/Elongin-B/ELOB using anti-TCEB2/Elongin-B/ELOB antibody (AAA19645).TCEB2/Elongin-B/ELOB was detected in an immunocytochemical section of MCF-7 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-TCEB2/Elongin-B/ELOB Antibody (AAA19645) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



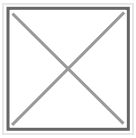
IHC (Immunohistochemistry)
Figure 4. IHC analysis of TCEB2/Elongin-B/ELOB using anti-TCEB2/Elongin-B/ELOB antibody (AAA19645).TCEB2/Elongin-B/ELOB was detected in a paraffin-embedded section of human papillary carcinoma of the left breast tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TCEB2/Elongin-B/ELOB Antibody (AAA19645) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 3. IHC analysis of TCEB2/Elongin-B/ELOB using anti-TCEB2/Elongin-B/ELOB antibody (AAA19645).TCEB2/Elongin-B/ELOB was detected in a paraffin-embedded section of rat pancreas tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TCEB2/Elongin-B/ELOB Antibody (AAA19645) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of TCEB2/Elongin-B/ELOB using anti-TCEB2/Elongin-B/ELOB antibody (AAA19645).TCEB2/Elongin-B/ELOB was detected in a paraffin-embedded section of mouse pancreas tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TCEB2/Elongin-B/ELOB Antibody (AAA19645) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)
Figure 1. Western blot analysis of TCEB2/Elongin-B/ELOB using anti-TCEB2/Elongin-B/ELOB antibody (AAA19645).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human K562 whole cell lysates,Lane 2: human Hela whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TCEB2/Elongin-B/ELOB antigen affinity purified polyclonal antibody (#AAA19645) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TCEB2/Elongin-B/ELOB at approximately 17 kDa. The expected band size for TCEB2/Elongin-B/ELOB is at 13 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ELOB antibody	Elongin B is a protein that in humans is encoded by the ELOB gene. 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.
Product Categories/Family for anti-ELOB antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	32699512
NCBI GeneID	6923
UniProt Accession #	Q15370; B7WPD3
Molecular Weight	17,911 Da
NCBI Official Full Name	Elongin-B
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-elongin-b-elob-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-immunocytochemistry-western-blot-elisa/19645