

Rabbit Elongin-C/ELOC Polyclonal Antibody | anti-ELOC antibody

Anti-Elongin-C/ELOC Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19646	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

Elongin-C/ELOC; Polyclonal Antibody; Anti-Elongin-C/ELOC Antibody Picoband; anti-ELOC 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 Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ELOC 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, Mouse, Rat IHC-P: 2-5 ug/ml, Human, Mouse, Rat ICC/IF: 5 ug/ml, Human FC/FACS: 1-3 ug/1x10 ⁶ cells, Human, Mouse, Rat 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 Elongin-C/ELOC recombinant protein (Position: M1-C112).
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.



FCM (Flow Cytometry)

Figure 12. Flow Cytometry analysis of RH35 cells using anti-Elongin-C/ELOC antibody (AAA19646).Overlay histogram showing RH35 cells stained with AAA19646 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Elongin-C/ELOC Antibody (AAA19646, 1 ug/1x10⁶ 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/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM (Flow Cytometry)

Figure 11. Flow Cytometry analysis of ANA-1 cells using anti-Elongin-C/ELOC antibody (AAA19646).Overlay histogram showing ANA-1 cells stained with AAA19646 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Elongin-C/ELOC Antibody (AAA19646, 1 ug/1x10⁶ 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/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM (Flow Cytometry)

Figure 10. Flow Cytometry analysis of A549 cells using anti-Elongin-C/ELOC antibody (AAA19646).Overlay histogram showing A549 cells stained with AAA19646 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Elongin-C/ELOC Antibody (AAA19646, 1 ug/1x10⁶ 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/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 9. IF analysis of Elongin-C/ELOC using anti-Elongin-C/ELOC antibody (AAA19646).Elongin-C/ELOC was detected in an immunocytochemical section of PC-3 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-Elongin-C/ELOC Antibody (AAA19646) 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 8. IHC analysis of Elongin-C/ELOC using anti-Elongin-C/ELOC antibody (AAA19646).Elongin-C/ELOC 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-Elongin-C/ELOC Antibody (AAA19646) 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 Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 7. IHC analysis of Elongin-C/ELOC using anti-Elongin-C/ELOC antibody (AAA19646).Elongin-C/ELOC 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-Elongin-C/ELOC Antibody (AAA19646) 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 Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-ELOC antibody	Elongin C is a protein that in humans is encoded by the ELOC gene. 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. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been identified.
Product Categories/Family for anti-ELOC antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	325652033
NCBI GeneID	6921
NCBI Accession #	NP_001191786.1

NCBI GenBank Nucleotide #	NM_001204857.1
UniProt Accession #	Q15369 ; Q567Q6 ; E5RGD9
Molecular Weight	10,832 Da
NCBI Official Full Name	transcription elongation factor B polypeptide 1 isoform a
NCBI Official Synonym Full Names	transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C)
NCBI Official Symbol	TCEB1
NCBI Official Synonym Symbols	SIII; eloC
NCBI Protein Information	transcription elongation factor B polypeptide 1; RNA polymerase II transcription factor SIII subunit C; SIII p15; elongin 15 kDa subunit
UniProt Protein Name	Transcription elongation factor B polypeptide 1
UniProt Gene Name	TCEB1
UniProt Synonym Gene Names	EloC
UniProt Entry Name	ELOC_HUMAN

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/elongin-c-eloc-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-immunocytochemistry-western-blot-elisa/19646>