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KD-Validated Anti-TCEB2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1532

Specification

KD-Validated Anti-TCEB2 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC**
Primary Accession	Q15370
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 13 kDa , observed, 16 kDa KDa**
Gene Name	**ELOB**
Aliases	**ELOB; Elongin B; TCEB2; SIII; Transcription Elongation Factor B (SIII), Polypeptide 2 (18kDa, Elongin B); RNA Polymerase II Transcription Factor SIII Subunit B; Transcription Elongation Factor B Polypeptide; Transcription Elongation Factor B Subunit 2; Elongin 18 KDa Subunit; Elongin-B; SIII P18; RNA Polymerase II Transcription Factor SIII P18 Subunit; Epididymis Secretory Sperm Binding Protein; Elongin, 18-KD Subunit; EloB**
Immunogen	**A synthesized peptide derived from human TCEB2**

KD-Validated Anti-TCEB2 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**6923**

Other Names
Elongin-B, EloB, Elongin 18 kDa subunit, RNA polymerase II transcription factor SIII subunit B, SIII p18, Transcription elongation factor B polypeptide 2, ELOB (HGNC:11619), TCEB2

KD-Validated Anti-TCEB2 Rabbit Monoclonal Antibody - Protein Information

Name ELOB (HGNC:11619)

Synonyms TCEB2

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:<a

href="http://www.uniprot.org/citations/7638163" target="_blank">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).

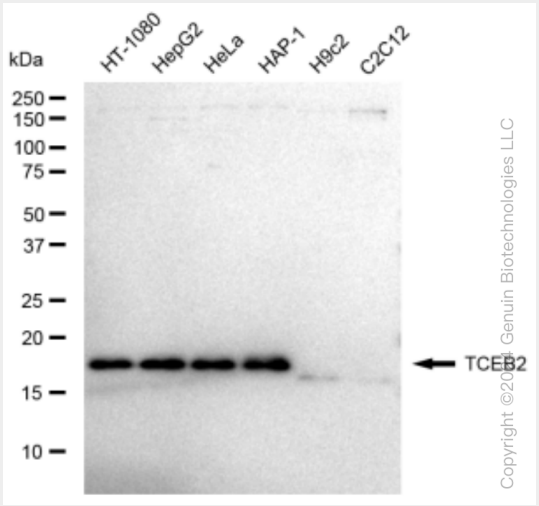
Cellular Location
Nucleus.

KD-Validated Anti-TCEB2 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-TCEB2 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-TCEB2 antibody (Cat#AGI1532). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-TCEB2 antibody (Cat#AGI1532, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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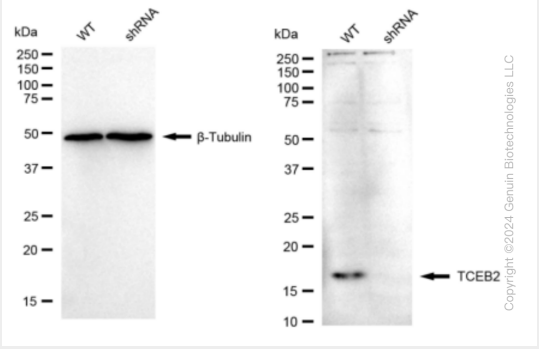
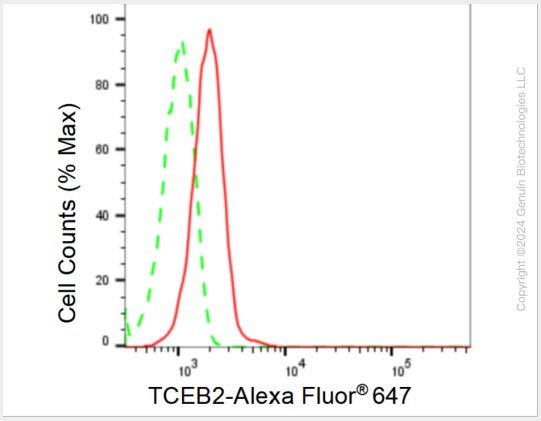


Western blotting analysis using anti-TCEB2 antibody (Cat#AGI1532). TCEB2 expression in wild type (WT) and TCEB2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-TCEB2 antibody (Cat#AGI1532, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of TCEB2 expression in HepG2 cells using TCEB2 antibody (Cat#AGI1532, 1:2,000). Green, isotype control; red, TCEB2.