

KD-Validated Anti-TCEB2 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1533**Specification****KD-Validated Anti-TCEB2 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	Q15370
Reactivity	Human
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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=11619 target="_blank">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:7638163). In embryonic stem cells, the elongin BC complex is recruited by EPOF 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

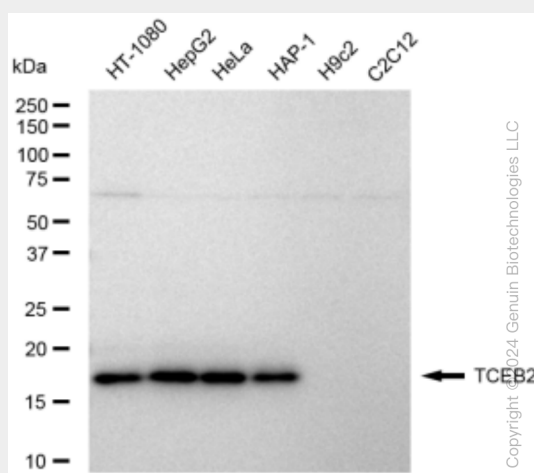
Nucleus.

KD-Validated Anti-TCEB2 Rabbit Monoclonal Antibody - Protocols

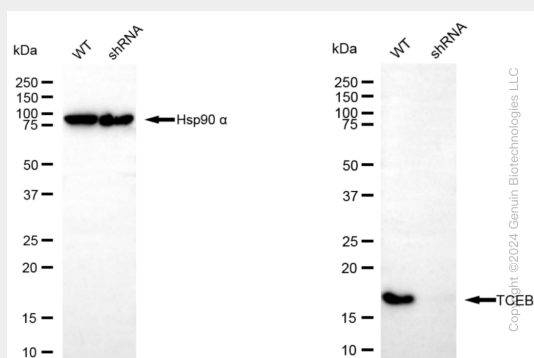
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

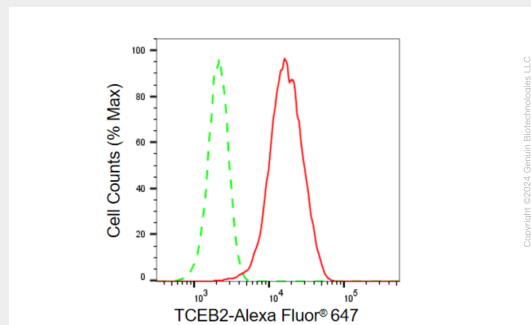
KD-Validated Anti-TCEB2 Rabbit Monoclonal Antibody - Images



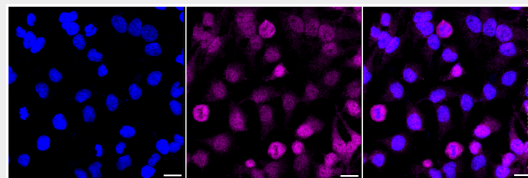
Western blotting analysis using anti-TCEB2 antibody (Cat#AGI1533). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-TCEB2 antibody (Cat#AGI1533, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-TCEB2 antibody (Cat#AGI1533). TCEB2 expression in wild type (WT) and TCEB2 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-TCEB2 antibody (Cat#AGI1533, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of TCEB2 expression in HeLa cells using TCEB2 antibody (Cat#AGI1533, 1:2,000). Green, isotype control; red, TCEB2.



Immunocytochemical staining of HeLa cells with anti-TCEB2 antibody (Cat#AGI1533, 1:1,000). Nuclei were stained blue with DAPI; TCEB2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.