

TCEB3 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant TCEB3.****Catalog # AT4180a****Specification**

TCEB3 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q14241
Other Accession	NM_003198
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	87230

TCEB3 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 6924**Other Names**

Transcription elongation factor B polypeptide 3, Elongin 110 kDa subunit, Elongin-A, EloA, RNA polymerase II transcription factor SIII subunit A1, SIII p110, TCEB3

Target/Specificity

TCEB3 (NP_003189, 81 a.a. ~ 190 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

TCEB3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

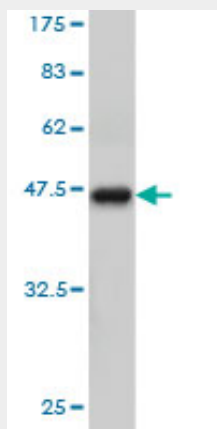
TCEB3 Antibody (monoclonal) (M01) - Protocols

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

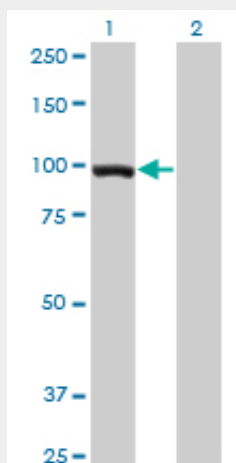
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TCEB3 Antibody (monoclonal) (M01) - Images



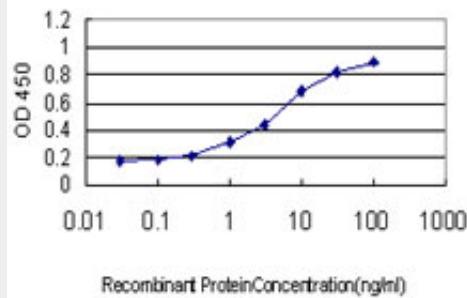
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 kDa) .



Western Blot analysis of TCEB3 expression in transfected 293T cell line by TCEB3 monoclonal antibody (M01), clone 3E2.

Lane 1: TCEB3 transfected lysate (87.2 kDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged TCEB3 is approximately 0.1ng/ml as a capture antibody.

TCEB3 Antibody (monoclonal) (M01) - Background

This gene encodes the protein elongin A, 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.

TCEB3 Antibody (monoclonal) (M01) - References

The variant rs1867277 in FOXE1 gene confers thyroid cancer susceptibility through the recruitment of USF1/USF2 transcription factors. Landa I, et al. PLoS Genet, 2009 Sep. PMID 19730683. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348. Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983. The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May 18. PMID 16710414. Structural and functional insights into the B30.2/SPRY domain. Woo JS, et al. EMBO J, 2006 Mar 22. PMID 16498413.