10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# TCEB3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TCEB3.
Catalog # AT4180a

## Product Information

| | |
|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q14241 |
| **Other Accession** | NM_003198 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2a Kappa |
| **Clone Names** | 3E3 |
| **Calculated MW** | 87230 |

## 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 E~~N/A |
| **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. |

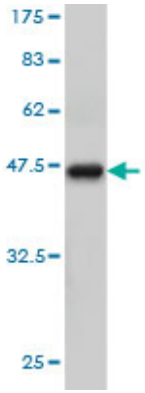
## Background

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.

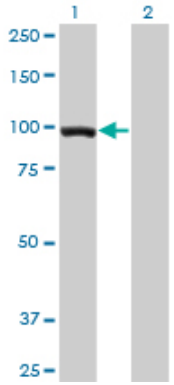
## References

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.

## Images

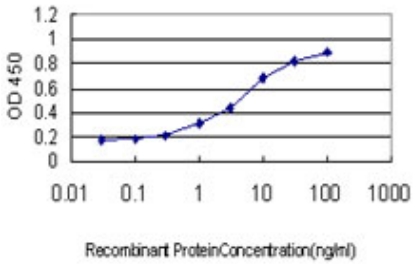



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .




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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.