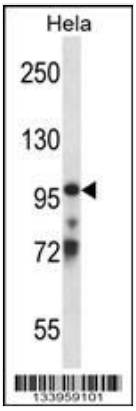
TCEB3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TCEB3, Polyclonal Antibody
Full Product Name	TCEB3, ID (TCEB3, Transcription elongation factor B polypeptide 3, Elongin 110kD subunit, Elongin-A, RNA polymerase II transcription factor SIII subunit A1, SIII p110) (AP)
Product Gene Name	anti-TCEB3 antibody
Product Synonym Names	TCEB3; Transcription elongation factor B polypeptide 3; Elongin 110kD subunit; Elongin-A; RNA polymerase II transcription factor SIII subunit A1; SIII p110
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	89,909 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (24069856..24088549). Location: 1p36.1
OMIM	600786
3D Structure	ModBase 3D Structure for Q14241
Immunogen	TCEB3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 252-282 amino acids from the Central region of human TCEB3.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-TCEB3 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-TCEB3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-TCEB3 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TCEB3 antibody	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.
Product References and Citations for anti-TCEB3 antibody	Landa, I., et al. PLoS Genet. 5 (9), E1000637 (2009): Olsen, J.V., et al. Cell 127(3):635-648(2006). Woo, J.S., et al. EMBO J. 25(6):1353-1363(2006). Andersen, J.S., et al. Nature 433(7021):77-83(2005). Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004).

Other Notes	Small volumes of anti-TCEB3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TCEB3 purchase	MBS6354425 is an antibody targeting TCEB3. Also known as TCEB3, ID (TCEB3, Transcription elongation factor B polypeptide 3, Elongin 110kD subunit, Elongin-A, RNA polymerase II transcription factor SIII subunit A1, SIII p110) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TCEB3 antibody
TCEB3 Antibody (Center) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the TCEB3 antibody detected the TCEB3 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TCEB3. It may not necessarily be applicable to this product.

NCBI GI #	208022641
NCBI GeneID	6924
NCBI Accession #	NP_003189.2
UniProt Primary Accession #	Q14241
UniProt Secondary Accession #	Q8IXH1; B2R7Q8
UniProt Related Accession #	Q14241
GenBank Nucleotide #	NM_003198.2
NCBI Official Full Name	transcription elongation factor B polypeptide 3
NCBI Official Synonym Full Names	transcription elongation factor B (SIII), polypeptide 3 (110kDa, elongin A)
NCBI Official Symbol	TCEB3
NCBI Official Synonym Symbols	EloA; SIII; TCEB3A; SIII p110
UniProt Protein Name	Transcription elongation factor B polypeptide 3
UniProt Synonym Protein Names	Elongin 110 kDa subunit; Elongin-A; EloA; RNA polymerase II transcription factor SIII subunit A1; SIII p110
Protein Family	Transcription elongation factor B polypeptide
UniProt Gene Name	TCEB3
UniProt Synonym Gene Names	EloA
UniProt Entry Name	ELOA1_HUMAN
NCBI Protein Information	transcription elongation factor B polypeptide 3; elongin-A; elongin 110 kDa subunit; transcription elongation factor B alpha subunit; RNA polymerase II transcription factor SIII subunit A1

UniProt Comments for TCEB3	TCEB3: 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). Heterotrimer of an A (A1, A2 or A3), B and C subunit. The C subunit mediates the binding of the elongin BC complex to subunit A. Protein type: Transcription factor; DNA-binding Chromosomal Location of Human Ortholog: 1p36.1 Cellular Component: nucleoplasm; extracellular space; cytoplasm; integral to membrane; nucleus Molecular Function: DNA binding Biological Process: regulation of transcription from RNA polymerase II promoter; transcription from RNA polymerase II promoter; viral reproduction; positive regulation of viral transcription; RNA elongation from RNA polymerase II promoter; gene expression
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