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TCEB2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TCEB2.
Catalog # AT4179a

Product Information

Application	WB, IF, E
Primary Accession	Q15370
Other Accession	NM_007108
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	6F6
Calculated MW	13133

Additional Information

Gene ID	6923
Other Names	Transcription elongation factor B polypeptide 2, Elongin 18 kDa subunit, Elongin-B, EloB, RNA polymerase II transcription factor SIII subunit B, SIII p18, TCEB2
Target/Specificity	TCEB2 (NP_009039, 9 a.a. ~ 118 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 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	TCEB2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

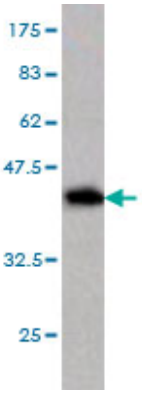
Background

This gene encodes the protein elongin B, 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. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene. Pseudogenes have been identified on chromosomes 11 and 13.

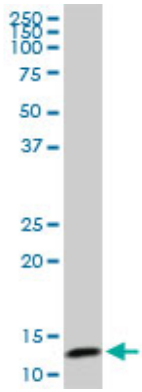
References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.VHL type 2B mutations retain VBC complex form and function. Hacker KE, et al. PLoS One, 2008. PMID 19030229.Elongin B/C recruitment regulates substrate binding by CIS. Piessevaux J, et al. J Biol Chem, 2008 Aug 1. PMID 18508766.Association of SAP130/SF3b-3 with Cullin-RING ubiquitin ligase complexes and its regulation by the COP9 signalosome. Menon S, et al. BMC Biochem, 2008 Jan 3. PMID 18173839.ASB4 is a hydroxylation substrate of FIH and promotes vascular differentiation via an oxygen-dependent mechanism. Ferguson JE 3rd, et al. Mol Cell Biol, 2007 Sep. PMID 17636018.

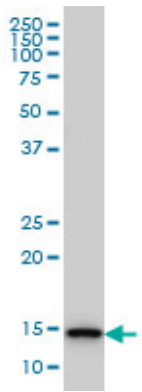
Images



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

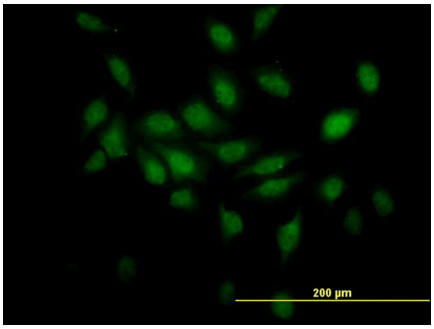


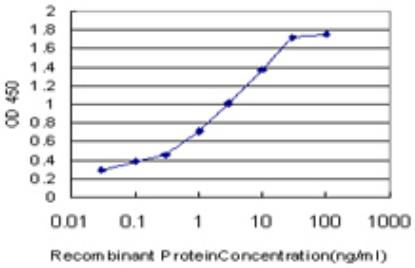
TCEB2 monoclonal antibody (M01), clone 6F6. Western Blot analysis of TCEB2 expression in PC-12 ((Cat # AT4179a)



TCEB2 monoclonal antibody (M01), clone 6F6 Western Blot analysis of TCEB2 expression in Hela S3 NE ((Cat # AT4179a)

Immunofluorescence of monoclonal antibody to TCEB2 on HeLa cell. [antibody concentration 10 ug/ml]





Detection limit for recombinant GST tagged TCEB2 is approximately 0.03ng/ml as a capture antibody.

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