

TCOF1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant TCOF1.

Catalog # AT4197a

Product Information

Application	WB, IF, E
Primary Accession	Q13428
Other Accession	NM_001008657
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	8H3
Calculated MW	152106

Additional Information

Gene ID	6949
Other Names	Treacle protein, Treacher Collins syndrome protein, TCOF1
Target/Specificity	TCOF1 (NP_001008657, 2 a.a. ~ 82 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	TCOF1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

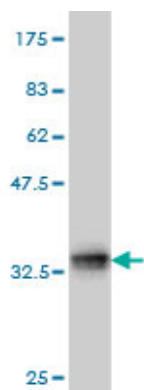
This gene encodes a nucleolar protein with a LIS1 homology domain. The protein is involved in ribosomal DNA gene transcription through its interaction with upstream binding factor (UBF). Mutations in this gene have been associated with Treacher Collins syndrome, a disorder which includes abnormal craniofacial development. Multiple transcript variants encoding different isoforms have been found for this gene.

References

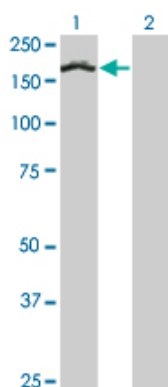
Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891. New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al.

Genes Immun, 2010 Apr. PMID 20237496.Reduced transcription of TCOF1 in adult cells of Treacher Collins syndrome patients. Masotti C, et al. BMC Med Genet, 2009 Dec 14. PMID 20003452.Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.Treacle recruits RNA polymerase I complex to the nucleolus that is independent of UBF. Lin CI, et al. Biochem Biophys Res Commun, 2009 Aug 21. PMID 19527688.

Images

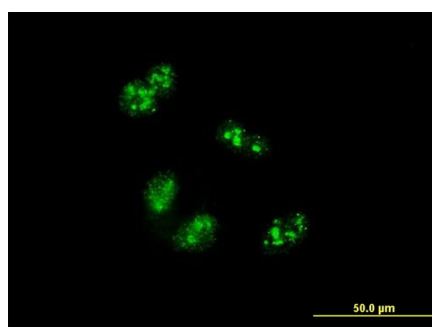


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (34.65 KDa) .

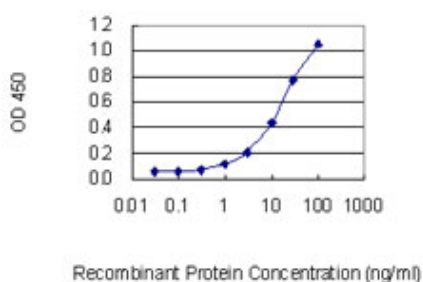


Western Blot analysis of TCOF1 expression in transfected 293T cell line by TCOF1 monoclonal antibody (M02), clone 8H3.

Lane 1: TCOF1 transfected lysate(152.104 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to TCOF1 on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged TCOF1 is 0.3 ng/ml as a capture antibody.

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