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TCF4 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full length recombinant TCF4.
Catalog # AT4188a

Product Information

Application	WB, IF, E
Primary Accession	P15884
Other Accession	BC031056.1
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1G4
Calculated MW	71308

Additional Information

Gene ID	6925
Other Names	Transcription factor 4, TCF-4, Class B basic helix-loop-helix protein 19, bHLHb19, Immunoglobulin transcription factor 2, ITF-2, SL3-3 enhancer factor 2, SEF-2, TCF4, BHLHB19, ITF2, SEF2
Target/Specificity	TCF4 (AAH31056.1, 1 a.a. ~ 365 a.a) full-length 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	TCF4 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

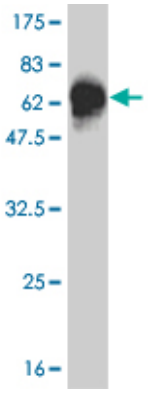
Background

This gene encodes transcription factor 4, a basic helix-turn-helix transcription factor. The encoded protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. This gene is expressed predominantly in pre-B-cells, although it is found in other tissues as well. Multiple alternatively spliced transcript variants that encode different proteins have been described. [provided by RefSeq]

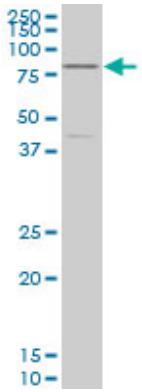
References

1.Knockdown of Human TCF4 Affects Multiple Signaling Pathways Involved in Cell Survival, Epithelial to Mesenchymal Transition and Neuronal Differentiation.Forrest MP, Waite AJ, Martin-Rendon E, Blake DJ.PLoS One. 2013 Aug 23;8(8):e73169.2.Inhibition of endothelial cell activation by bHLH protein E2-2 and its impairment of angiogenesis.Tanaka A, Itoh F, Nishiyama K, Takezawa T, Kurihara H, Itoh S, Kato M.Blood. 2010 May 20;115(20):4138-47. Epub 2010 Mar 15.

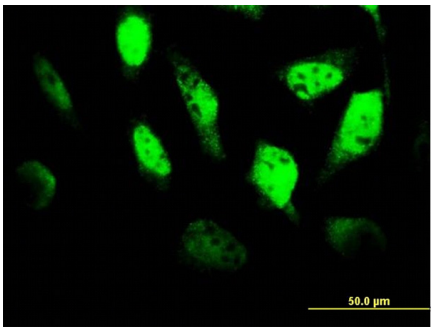
Images



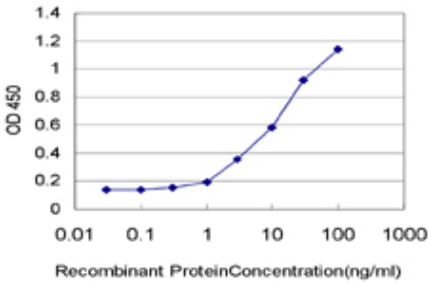
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (65.89 KDa) .



TCF4 monoclonal antibody (M03), clone 1G4 Western Blot analysis of TCF4 expression in K-562 ((Cat # AT4188a)



Immunofluorescence of monoclonal antibody to TCF4 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged TCF4 is approximately 1ng/ml as a capture antibody.

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