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TGIF2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TGIF2.
Catalog # AT4228a

Product Information

Application	WB, E
Primary Accession	Q9GZN2
Other Accession	NM_021809
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4C10
Calculated MW	25878

Additional Information

Gene ID	60436
Other Names	Homeobox protein TGIF2, 5'-TG-3'-interacting factor 2, TGF-beta-induced transcription factor 2, TGFB-induced factor 2, TGIF2
Target/Specificity	TGIF2 (NP_068581, 131 a.a. ~ 236 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	TGIF2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

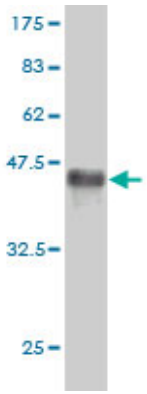
The protein encoded by this gene is a DNA-binding homeobox protein and a transcriptional repressor. The encoded protein appears to repress transcription by recruiting histone deacetylases to TGF beta-responsive genes. This gene is amplified and overexpressed in some ovarian cancers, and mutations in this gene can cause holoprosencephaly.

References

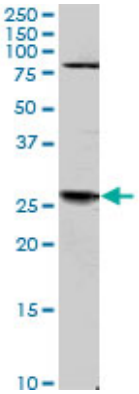
Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.The status,

quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.Differentially regulated genes as putative targets of amplifications at 20q in ovarian cancers. Watanabe T, et al. Jpn J Cancer Res, 2002 Oct. PMID 12417041.

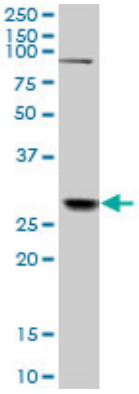
Images



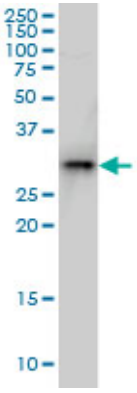
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.4 KDa) .



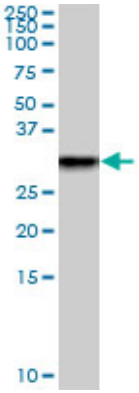
TGIF2 monoclonal antibody (M01), clone 4C10. Western Blot analysis of TGIF2 expression in IMR-32 ((Cat # AT4228a)



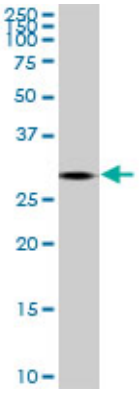
TGIF2 monoclonal antibody (M01), clone 4C10. Western Blot analysis of TGIF2 expression in SW-13 ((Cat # AT4228a)



TGIF2 monoclonal antibody (M01), clone 4C10 Western Blot analysis of TGIF2 expression in Hela S3 NE ((Cat # AT4228a)



TGIF2 monoclonal antibody (M01), clone 4C10. Western Blot analysis of TGIF2 expression in Y-79 ((Cat # AT4228a)

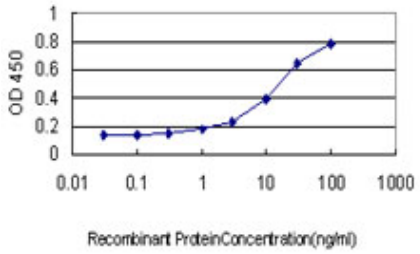


TGIF2 monoclonal antibody (M01), clone 4C10. Western Blot analysis of TGIF2 expression in A-431 ((Cat # AT4228a)

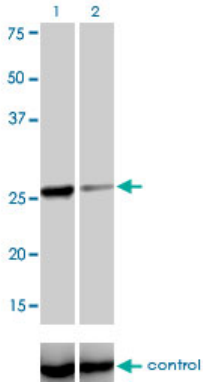


Western Blot analysis of TGIF2 expression in transfected 293T cell line by TGIF2 monoclonal antibody (M01), clone 4C10.

Lane 1: TGIF2 transfected lysate(25.9 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged TGIF2 is approximately 0.3ng/ml as a capture antibody.



Western blot analysis of TGIF2 over-expressed 293 cell line, cotransfected with TGIF2 Validated Chimera RNAi (Cat # H00060436-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TGIF2 monoclonal antibody (M01), clone 4C10 (Cat # AT4228a). GAPDH (36.1 kDa) used as specificity and loading control.

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