

# TGIF2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TGIF2.

Catalog # AT4228a

## Product Information

---

<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9GZN2</a>
<b>Other Accession</b>	<a href="#">NM_021809</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	4C10
<b>Calculated MW</b>	25878

## Additional Information

---

<b>Gene ID</b>	60436
<b>Other Names</b>	Homeobox protein TGIF2, 5'-TG-3'-interacting factor 2, TGF-beta-induced transcription factor 2, TGFB-induced factor 2, TGIF2
<b>Target/Specificity</b>	TGIF2 (NP_068581, 131 a.a. ~ 236 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	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.

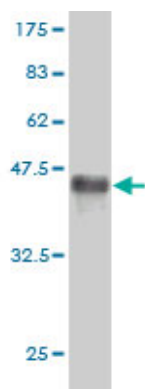
## References

---

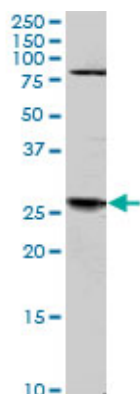
Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560. The status,

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.

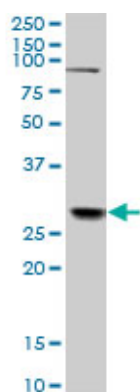
## Images



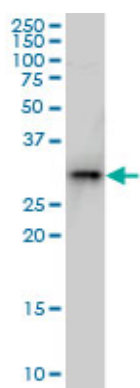
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.4 KDa) .



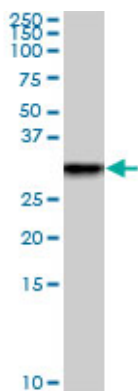
TGIF2 monoclonal antibody (M01), clone 4C10. Western Blot analysis of TGIF2 expression in IMR-32 ( (Cat # AT4228a )



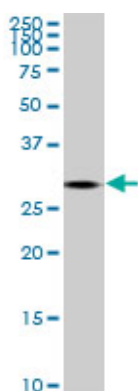
TGIF2 monoclonal antibody (M01), clone 4C10. Western Blot analysis of TGIF2 expression in SW-13 ( (Cat # AT4228a )



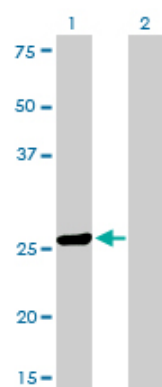
TGIF2 monoclonal antibody (M01), clone 4C10 Western Blot analysis of TGIF2 expression in Hela S3 NE ( (Cat # AT4228a )



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

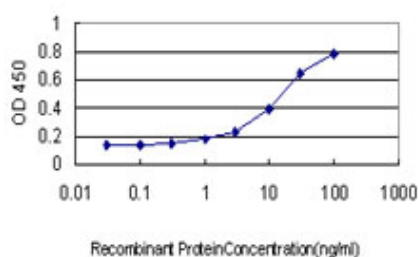


TGIF2 monoclonal antibody (M01), clone 4C10. Western Blot analysis of TGIF2 expression in A-431 ( (Cat # AT4228a )

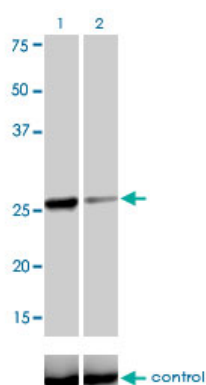


Western Blot analysis of TGIF2 expression in transfected 293T cell line by TGIF2 monoclonal antibody (M01), clone 4C10.

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'.