

**TGIF2 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant TGIF2.****Catalog # AT4228a****Specification**

---

**TGIF2 Antibody (monoclonal) (M01) - Product Information**

Application	WB, E
Primary Accession	<a href="#">O9GZN2</a>
Other Accession	<a href="#">NM_021809</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	25878

**TGIF2 Antibody (monoclonal) (M01) - 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

**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.

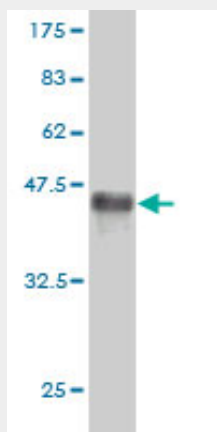
**TGIF2 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

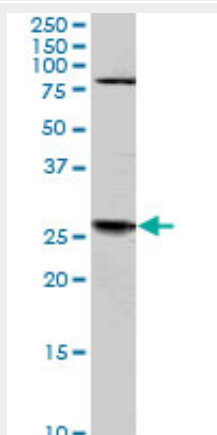
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

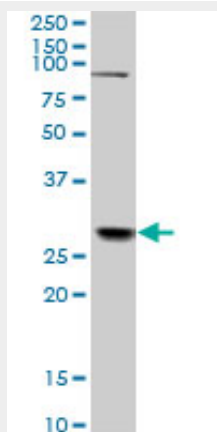
## TGIF2 Antibody (monoclonal) (M01) - Images



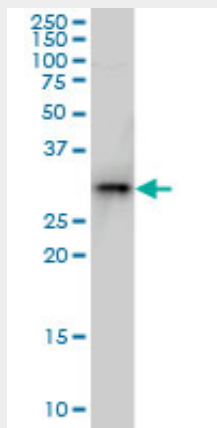
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.4 kDa) .



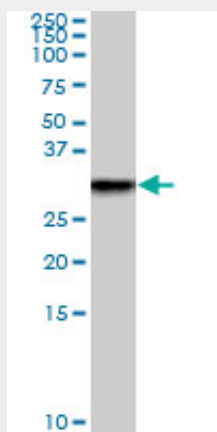
TGIF2 monoclonal antibody (M01), clone 4C10. Western Blot analysis of TGIF2 expression in IMR-32 ( (Cat # AT4228a )



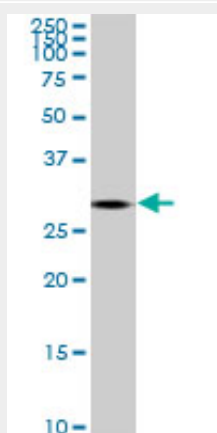
TGIF2 monoclonal antibody (M01), clone 4C10. Western Blot analysis of TGIF2 expression in SW-13 (Cat # AT4228a)



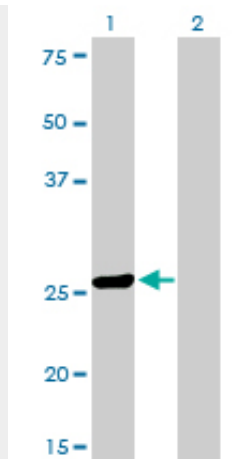
TGIF2 monoclonal antibody (M01), clone 4C10 Western Blot analysis of TGIF2 expression in Hela S3 NE (Cat # AT4228a)



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



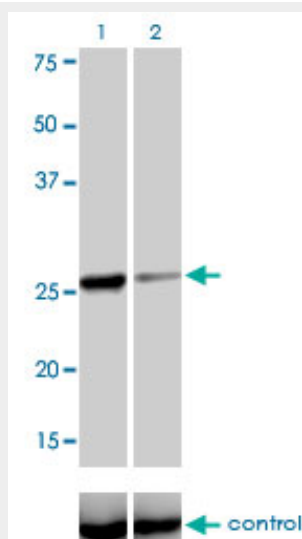
TGIF2 monoclonal antibody (M01), clone 4C10. Western Blot analysis of TGIF2 expression in A-431 (Cat # AT4228a)



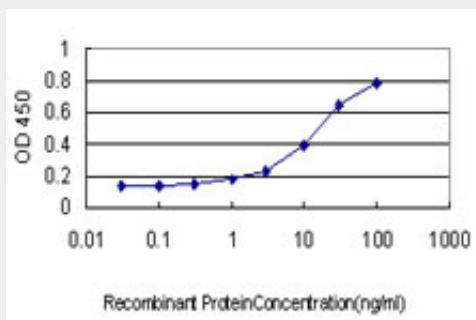
Western Blot analysis of TGIF2 expression in transfected 293T cell line by TGIF2 monoclonal antibody (M01), clone 4C10.

Lane 1: TGIF2 transfected lysate(25.9 KDa).

Lane 2: Non-transfected lysate.



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.



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

**TGIF2 Antibody (monoclonal) (M01) - 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.

**TGIF2 Antibody (monoclonal) (M01) - 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.