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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	Q9GZN2
Other Accession	NM_021809
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
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.

TGIF2 Antibody (monoclonal) (M01) - Protocols

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

- Western Blot
- Blocking Peptides

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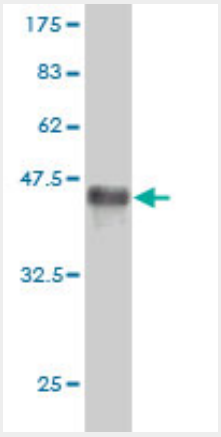
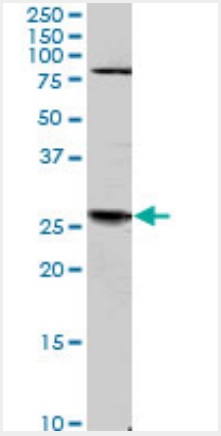
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

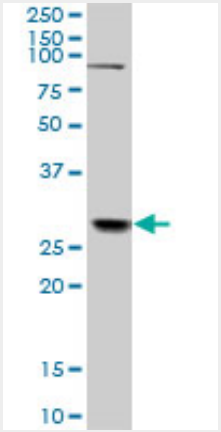
TGIF2 Antibody (monoclonal) (M01) - Images



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)



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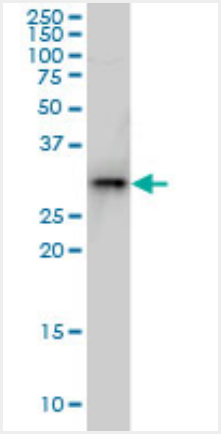
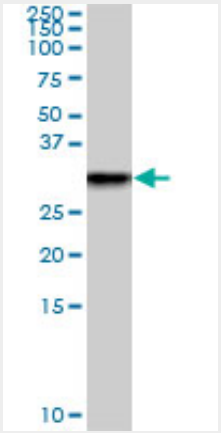
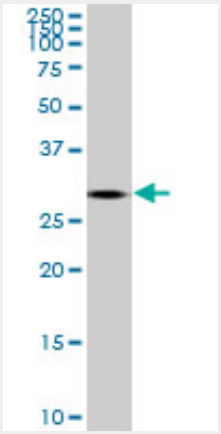
TGIF2 monoclonal antibody (M01), clone 4C10. Western Blot analysis of TGIF2 expression in SW-13 ((Cat # AT4228a)



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)

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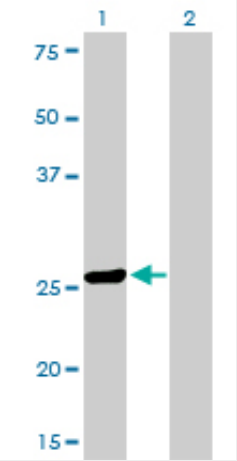
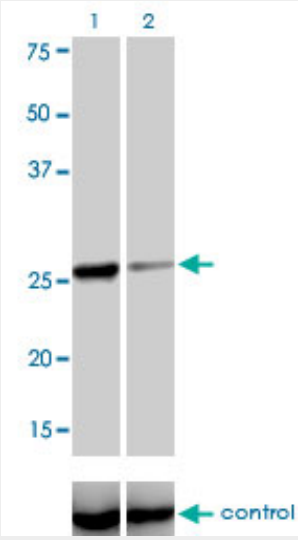
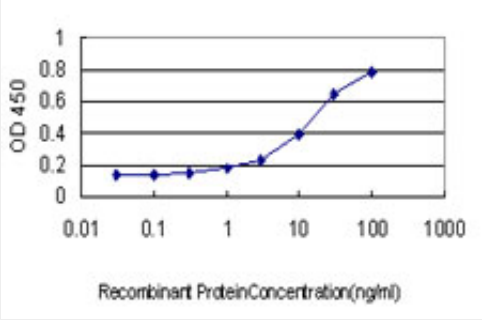


Western Blot analysis of TGIF2 expression in transfected 293T cell line by TGIF2 monoclonal antibody (M01), clone 4C10.

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.