

**Goat Anti-TGIF2 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2082a****Specification**

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**Goat Anti-TGIF2 Antibody - Product Information**

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|-------------------|--|
| Application       | WB, E  |
| Primary Accession | <a href="#">O9GZN2</a>   |
| Other Accession   | <a href="#">NP_068581</a> , <a href="#">60436</a> , <a href="#">228839 (mouse)</a> |
| Reactivity        | Human  |
| Predicted         | Mouse, Rat, Pig, Dog   |
| Host              | Goat   |
| Clonality         | Polyclonal   |
| Concentration     | 100ug/200ul  |
| Isotype           | IgG  |
| Calculated MW     | 25878  |

**Goat Anti-TGIF2 Antibody - 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

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-TGIF2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-TGIF2 Antibody - Protein Information****Name** TGIF2**Function**

Transcriptional repressor, which probably repress transcription by binding directly the

5'-CTGTCAA-3' DNA sequence or by interacting with TGF-beta activated SMAD proteins. Probably represses transcription via the recruitment of histone deacetylase proteins.

**Cellular Location**

Nucleus. Note=Excluded from nucleoli.

**Tissue Location**

Widely expressed. Highly expressed in heart, kidney and testis. Weakly expressed in brain and prostate

**Goat Anti-TGIF2 Antibody - 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](#)

**Goat Anti-TGIF2 Antibody - Images**

AF2082a (0.3 µg/ml) staining of A431 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Goat Anti-TGIF2 Antibody - 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.

**Goat Anti-TGIF2 Antibody - 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.