

**TGIF2 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14807b****Specification**

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**TGIF2 Antibody (C-term) - Product Information**

Application	IHC-P-Leica, WB,E
Primary Accession	<a href="#">O9GZN2</a>
Other Accession	<a href="#">NP_068581.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	25878
Antigen Region	171-199

**TGIF2 Antibody (C-term) - 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**

This TGIF2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 171-199 amino acids from the C-terminal region of human TGIF2.

**Dilution**

IHC-P-Leica~~1:500

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

TGIF2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TGIF2 Antibody (C-term) - 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**

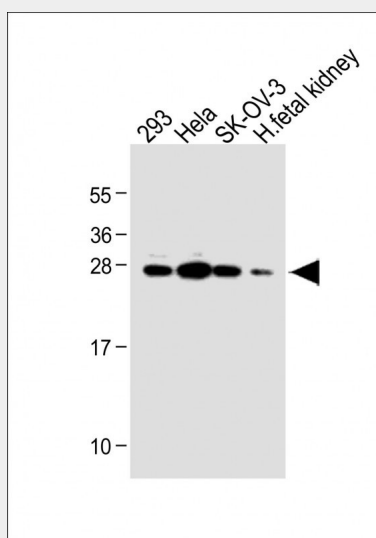
Widely expressed. Highly expressed in heart, kidney and testis. Weakly expressed in brain and prostate

**TGIF2 Antibody (C-term) - Protocols**

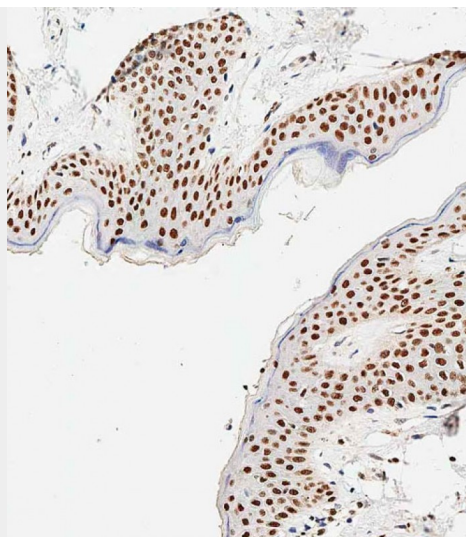
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TGIF2 Antibody (C-term) - Images**



All lanes : Anti-TGIF2 Antibody (C-term) at 1:1000 dilution Lane 1: 293 whole cell lysate Lane 2: HeLa whole cell lysate Lane 3: SK-OV-3 whole cell lysate Lane 4: Human fetal kidney lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 26 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded human skin tissue using AP14807b performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody(1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

#### **TGIF2 Antibody (C-term) - 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 (C-term) - References**

Watanabe, T., et al. Jpn. J. Cancer Res. 93(10):1114-1122(2002)  
Deloukas, P., et al. Nature 414(6866):865-871(2001)  
Melhuish, T.A., et al. J. Biol. Chem. 276(34):32109-32114(2001)  
Imoto, I., et al. Biochem. Biophys. Res. Commun. 276(1):264-270(2000)