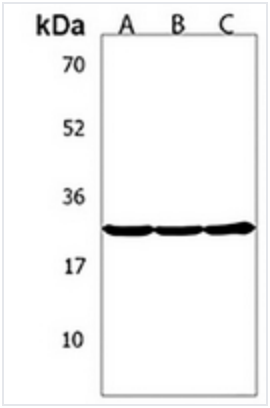
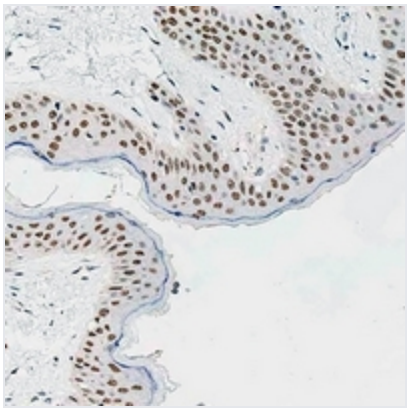
TGIF2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TGIF2, Polyclonal Antibody
Full Product Name	Anti-TGIF2 Antibody
Product Gene Name	anti-TGIF2 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of TGIF2 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	17,908 Da
OMIM	607294
3D Structure	ModBase 3D Structure for Q9GZN2
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal region of human TGIF2. The exact sequence is proprietary.
Product Categories/Family for anti-TGIF2 antibody	Primary Antibodies
Applications Tested/Suitable for anti-TGIF2 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-TGIF2 antibody	WB: 1/500-1/1000 IHC: 1/50-1/100
Related Product Information for anti-TGIF2 antibody	MBS8323140 is an antibody targeting TGIF2. Reactive in Human. Host: Rabbit. Rabbit polyclonal antibody to TGIF2
Other Notes	Small volumes of anti-TGIF2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TGIF2 antibody
Western blot analysis of TGIF2 expression in Hela (A), SKOV3 (B), human fetal kidney (C) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 30 kD)



Immunohistochemistry (IHC) of anti-TGIF2 antibody
Immunohistochemical analysis of TGIF2 staining in human skin formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TGIF2. It may not necessarily be applicable to this product.

NCBI GI #	11141881
NCBI GeneID	60436
NCBI Accession #	NP_068581.1
UniProt Primary Accession #	Q9GZN2
UniProt Secondary Accession #	B2R9U3; E1P5T9; H0YNI0
UniProt Related Accession #	Q9GZN2
GenBank Nucleotide #	NM_021809.6
NCBI Official Full Name	homeobox protein TGIF2
NCBI Official Synonym Full Names	TGFB-induced factor homeobox 2
NCBI Official Symbol	TGIF2
UniProt Protein Name	Homeobox protein TGIF2
UniProt Synonym Protein Names	5'-TG-3'-interacting factor 2; TGF-beta-induced transcription factor 2; TGFB-induced factor 2
Protein Family	Homeobox protein
UniProt Gene Name	TGIF2
UniProt Synonym Gene Names	TGFB-induced factor 2
UniProt Entry Name	TGIF2_HUMAN
NCBI Protein Information	homeobox protein TGIF2; 5'-TG-3' interacting factor 2; TGF-beta-induced transcription factor 2; TGF(beta)-induced transcription factor 2; TGFB-induced factor 2 (TALE family homeobox); transcription growth factor-beta-induced factor 2
NCBI Summary for TGIF2	The protein encoded by this gene is a DNA-binding homeobox protein and a transcriptional repressor, which appears to repress transcription by recruiting histone deacetylases to TGF beta-responsive genes. This gene is amplified and over-expressed in some ovarian cancers. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 1. Read-through transcription also exists between this gene and the neighboring downstream C20orf24 (chromosome 20 open reading frame 24) gene. [provided by RefSeq, Dec 2010]

UniProt Comments for TGIF2	TGIF2: 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. Belongs to the TALE/TGIF homeobox family. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 20q11.23 Cellular Component: nucleoplasm; centrosome; nucleus Molecular Function: DNA binding; transcription factor activity Biological Process: transcription initiation from RNA polymerase II promoter; regulation of transcription, DNA-dependent; transcription, DNA-dependent; retina development in camera-type eye; transforming growth factor beta receptor signaling pathway; regulation of gastrulation; gene expression; negative regulation of transcription from RNA polymerase II promoter; positive regulation of neuron differentiation
Research Articles on TGIF2	**1.** Shows that the homologous mouse Tgif2 gene is necessary for gastrulation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/tgif2/8323140