

For Research Use Only

# TGIF2 Polyclonal antibody

Catalog Number: 11522-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 11522-1-AP	<b>GenBank Accession Number:</b> BC012816	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 900 µg/ml	<b>GeneID (NCBI):</b> 60436	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9GZN2	
<b>Isotype:</b> IgG	<b>Full Name:</b> TGFB-induced factor homeobox 2	
<b>Immunogen Catalog Number:</b> AG2085	<b>Calculated MW:</b> 237 aa, 26 kDa <b>Observed MW:</b> 28 kDa and 30 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b> WB : A431 cells, Daudi cells, HL-60 cells, Jurkat cells IHC : mouse testis tissue, IF : Caco-2 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Transforming growth factor-beta-induced factor 2(TGIF2), is a member of a subfamily of transcription factor with a TALE(3-amino acid loop extension), an atypical homeodomain. It also contains a proline-rich region, which is a putative SH3 domain-binding site and suggested involve in transcriptional regulation. It is highly expressed in the heart, kidney, and testis, but low in the brain and prostate. Through binding directly to the 5'-CTGTCAA-3' DNA sequence or by interacting with TGF-beta activated SMAD proteins, TGIF2 acts as a transcriptional repressor. The calculated molecular weight of TGIF2 is 26 kDa, but the phosphorylated TGIF2 is about 30-35 kDa protein. This antibody detected two forms of bands of about 28 and 30 kDa, and the upper band appears to result from increased phosphorylation (PMID: 11427533).

## Notable Publications

Author	Pubmed ID	Journal	Application
Siguan Liu	29285082	Exp Ther Med	WB
Bum-Kyu Lee	26411691	Cell Rep	WB
Jing Lei	35592894	Brain Behav	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

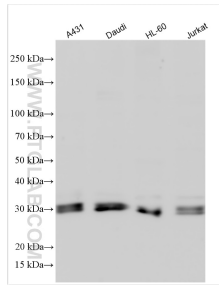
T: 4006900926

E: Proteintech-CN@ptglab.com

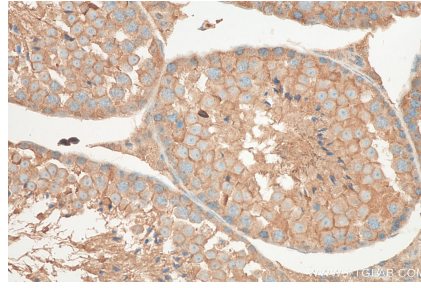
W: ptgcn.com

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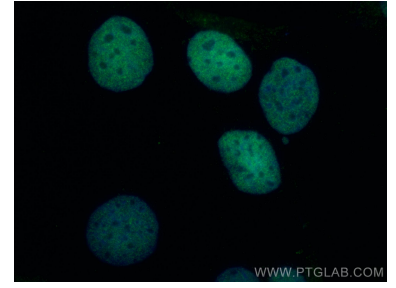
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11522-1-AP (TGIF2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 11522-1-AP (TGIF2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using TGIF2 antibody (11522-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).