

For Research Use Only

# TGIF2 Polyclonal antibody

Catalog Number: 11522-1-AP

Featured Product

6 Publications



## Basic Information

Catalog Number:

11522-1-AP

Concentration:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2085

GenBank Accession Number:

BC012816

GeneID (NCBI):

60436

UNIPROT ID:

Q9GZN2

Full Name:

TGFB-induced factor homeobox 2

Calculated MW:

237 aa, 26 kDa

Observed MW:

28 kDa and 30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:8000

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB: A431 cells, Daudi cells, HL-60 cells, Jurkat cells

IHC: mouse testis tissue,

IF/ICC: Caco-2 cells,

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

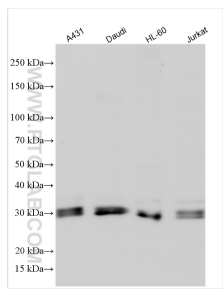
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

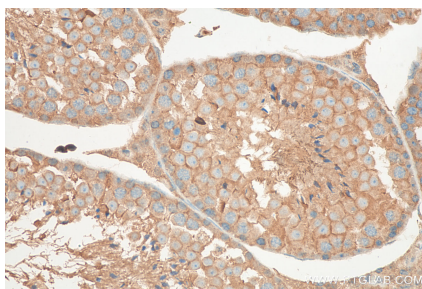
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

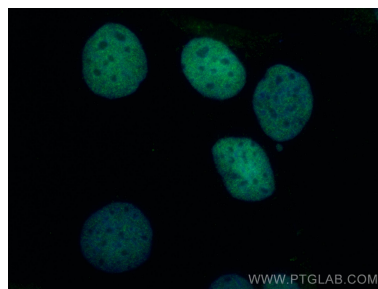
## Selected Validation Data



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 Goat Anti-Rabbit IgG(H+L).