

For Research Use Only

TGIF2 Polyclonal antibody

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



Basic Information

Catalog Number: 11522-1-AP	GenBank Accession Number: BC012816	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop;	GeneID (NCBI): 60436	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: TGFB-induced factor homeobox 2	
Isotype: IgG	Calculated MW: 237 aa, 26 kDa	
Immunogen Catalog Number: AG2085	Observed MW: 28 kDa and 30 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : A431 cells, Daudi cells, HL-60 cells, Jurkat cells IHC : mouse testis tissue, IF : Caco-2 cells,
Cited Applications: WB	
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

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

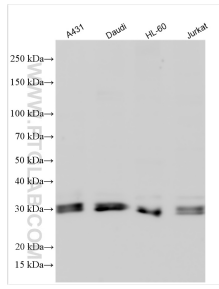
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1%BSA**

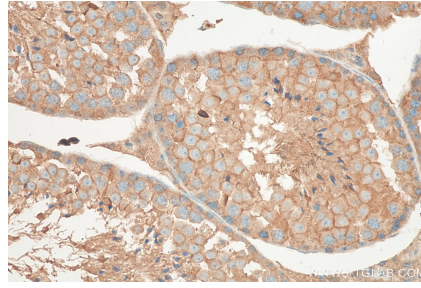
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

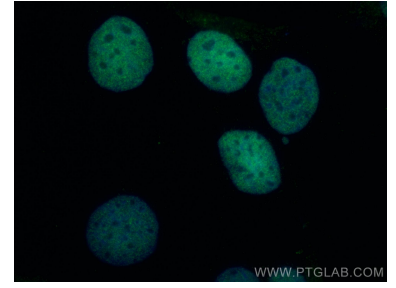
Selected Validation Data



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 AffiniPure Goat Anti-Rabbit IgG(H+L).