

For Research Use Only

TGIF2 Monoclonal antibody

Catalog Number: 67576-1-Ig **1 Publications**



Basic Information

Catalog Number: 67576-1-Ig	GenBank Accession Number: BC012816	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 60436	CloneNo.: 2D6B6
Source: Mouse	UNIPROT ID: Q9GZN2	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG1	Full Name: TGFB-induced factor homeobox 2	
Immunogen Catalog Number: AG30083	Calculated MW: 237 aa, 26 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : HepG2 cells, THP-1 cells, COLO 320 cells, Ramos cells, Daudi cells, K-562 cells, Jurkat cells, HL-60 cells, MOLT-4 cells
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	

Background Information

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yan Chen	33714261	Bosn J Basic Med Sci	WB

Storage

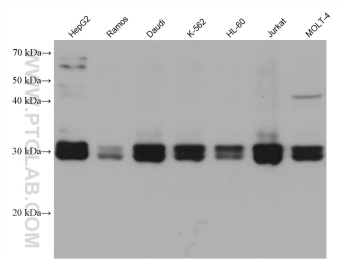
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

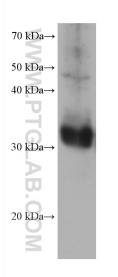
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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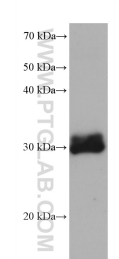
Selected Validation Data



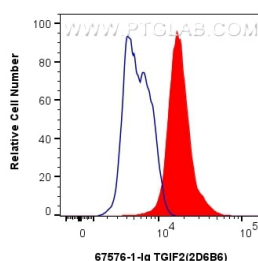
Various lysates were subjected to SDS PAGE followed by western blot with 67576-1-Ig (TGIF2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



COLO 320 cells were subjected to SDS PAGE followed by western blot with 67576-1-Ig (TGIF2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



THP-1 cells were subjected to SDS PAGE followed by western blot with 67576-1-Ig (TGIF2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



1x10⁶ HepG2 cells were intracellularly stained with 0.4 ug TGIF2 Monoclonal antibody (67576-1-Ig, Clone:2D6B6) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.4 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).