

Datasheet for ABIN655999
anti-TGIF1 antibody (AA 208-237)



[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	TGIF1
Binding Specificity:	AA 208-237
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGIF1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This TGIF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 208-237 amino acids from the Central region of human TGIF1.
Clone:	RB14110
Isotype:	Ig Fraction
Predicted Reactivity:	C
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	TGIF1
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Target Details

Alternative Name:	TGIF1 (TGIF1 Products)
Background:	The protein encoded by this gene is a member of the three-amino acid loop extension (TALE) superclass of atypical homeodomains. TALE homeobox proteins are highly conserved transcription regulators. This particular homeodomain binds to a previously characterized retinoid X receptor responsive element from the cellular retinol-binding protein II promoter. In addition to its role in inhibiting 9-cis-retinoic acid-dependent RXR alpha transcription activation of the retinoic acid responsive element, the protein is an active transcriptional co-repressor of SMAD2 and may participate in the transmission of nuclear signals during development and in the adult. Mutations in this gene are associated with holoprosencephaly type 4, which is a structural anomaly of the brain. Alternative splicing has been observed at this locus and eight variants, encoding four distinct isoforms, are described.
Molecular Weight:	43013
Gene ID:	7050
NCBI Accession:	NP_001265611 , NP_001265613 , NP_001265615 , NP_003235 , NP_733796 , NP_775299 , NP_775300 , NP_775301 , NP_775302 , NP_775303 , NP_777480
UniProt:	Q15583
Pathways:	Retinoic Acid Receptor Signaling Pathway , Chromatin Binding , Tube Formation

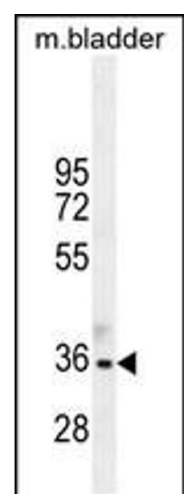
Application Details

Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

Handling

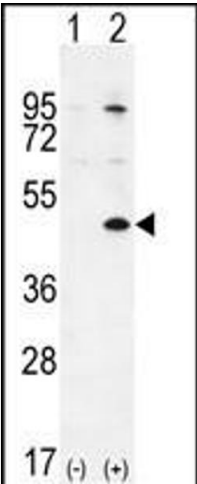
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. TGIF1 Antibody (Center) (ABIN655999 and ABIN2845378) western blot analysis in mouse bladder tissue lysates (35 µg/lane). This demonstrates the TGIF1 antibody detected the TGIF1 protein (arrow).



Western Blotting

Image 2. Western blot analysis of TGIF1 (arrow) using rabbit polyclonal TGIF1 Antibody (Center) (ABIN655999 and ABIN2845378). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the TGIF1 gene.