

# TGIF Polyclonal Antibody

Cat No: HR1AP8494

For research use only

## Overview

Product Name	TGIF Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	43kDa
GeneID?Human?	TGIF1
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	TGIF1; TGIF; Homeobox protein TGIF1; 5'-TG-3'-interacting factor 1
Background	<p>TGFB induced factor homeobox 1(TGIF1) Homo sapiens 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 multiple splice variants encoding distinct isoforms are described. [provide</p>