antibodies - online.com







anti-TGIF1 antibody (AA 123-272)



Image



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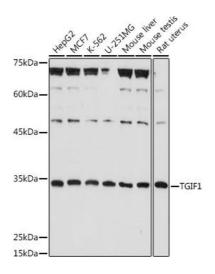
Quantity:	100 μL
Target:	TGIF1
Binding Specificity:	AA 123-272
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGIF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	TGIF1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 123-272 of human TGIF1 (NP_003235.1).
Sequence:	VESVMGIKNF MPALEETPFH SCTAGPNPTL GRPLSPKPSS PGSVLARPSV ICHTTVTALK DVPFSLCQSV GVGQNTDIQQ IAAKNFTDTS LMYPEDTCKS GPSTNTQSGL FNTPPPTPPD LNQDFSGFQL LVDVALKRAA EMELQAKLTA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	TGIF1
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
	multiple splice variants encoding distinct isoforms are described.,TGIF1,HPE4,TGIF,Epigenetics
	& Nuclear Signaling, Transcription Factors, Nuclear Receptor Signaling, Signal Transduction, Cell
	Biology & Developmental Biology, Neuroscience, Stem Cells, Embryonic Stem Cells, Neural Stem
	Cells,Target gene,TGIF1
Gene ID:	7050
UniProt:	Q15583
Pathways:	Retinoic Acid Receptor Signaling Pathway, Chromatin Binding, Tube Formation
Application Details	
Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using TGIF1 antibody (ABIN7270795) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.