



TGIF2 Polyclonal Antibody

Catalog No	YP-Ab-05669
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	TGIF2
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TGIF2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TGF-beta-induced transcription factor 2;TGFB induced factor homeobox 2; TGFB induced factor 2;Homeobox protein TGIF2;5'-TG-3'-interacting factor 2; TGIF2;Homeobox protein TGIF2 (5'-TG-3'-interacting factor 2) (TGF-beta-induced transcription factor 2) (TGFB-induced factor 2)
Observed Band	26kD
Calculated Molecular Weight	26kD
Cell Pathway	Nucleus. Excluded from nucleoli.
Tissue Specificity	Widely expressed. Highly expressed in heart, kidney and testis. Weakly expressed in brain and prostate.
Function	function:Transcriptional repressor, which probably repress transcription by binding directly the 5'-CTGTCAA-3' DNA sequence or by interacting with TGF-beta activated SMAD proteins. Probably represses transcription via the recruitment of histone deacetylase proteins.,miscellaneous:TGIF2 is amplified and overexpressed in several ovarian cancer cell lines.,PTM:The C-terminal part is phosphorylated in response to EGF signaling by the Ras/MAPK pathway., similarity:Belongs to the TALE/TGIF homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,subcellular location:Excluded from nucleoli., subunit:Interacts with the transcriptional modulator SMAD3 and the histone



deacetylase HDAC1.,tissue specificity:Widely expressed. Highly expressed in heart, kidney and testis. Weakly expressed in brain and prostate.,

Background

The protein encoded by this gene is a DNA-binding homeobox protein and a transcriptional repressor, which appears to repress transcription by recruiting histone deacetylases to TGF beta-responsive genes. This gene is amplified and over-expressed in some ovarian cancers. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 1. Read-through transcription also exists between this gene and the neighboring downstream C20orf24 (chromosome 20 open reading frame 24) gene. [provided by RefSeq, Dec 2010],

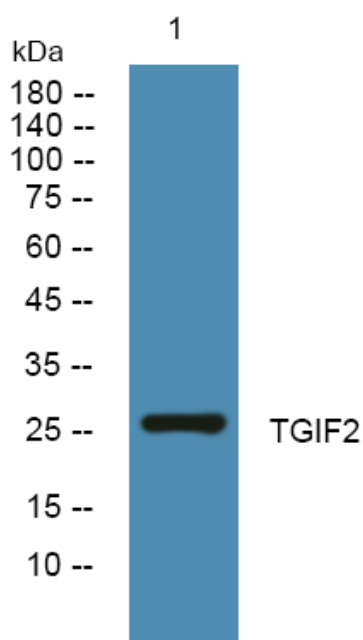
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4° over night