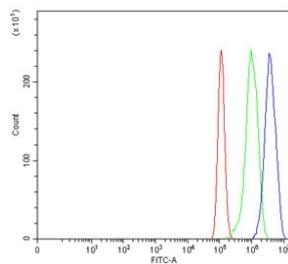


## TGIF1 Antibody / 5-TG-3-interacting factor 1 / TGIF (RQ7442)

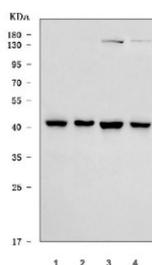
Catalog No.	Formulation	Size
RQ7442	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q15583
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This TGIF1 antibody is available for research use only.



Flow cytometry testing of human PC-3 cells with TGIF1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TGIF1 antibody.



Western blot testing of human 1) A549, 2) K562, 3) HeLa and 4) RT4 cell lysate with TGIF1 antibody. Predicted molecular weight ~43 kDa.

## Description

Homeobox protein TGIF1 is a protein that in humans is encoded by the TGIF1 gene. 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.

## Application Notes

Optimal dilution of the TGIF1 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids D26-A401) was used as the immunogen for the TGIF1 antibody.

## Storage

After reconstitution, the TGIF1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.