

TGIF (PT2033R) PT™ Rabbit mAb

CatalogNo: YM960297 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IF, IP, ELISA

MW

- 43kD (Calculated)
- 32-34kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

WB 1:2000-1:10000**IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

Basic Information

Clonality

Monoclonal

Clone Number

PT2033R

Immunogen Information

Immunogen

The specific immunogen used to produce this antibody is proprietary information.

Specificity

Endogenous

Target Information

Gene name TGIF1
Protein Name Homeobox protein TGIF1

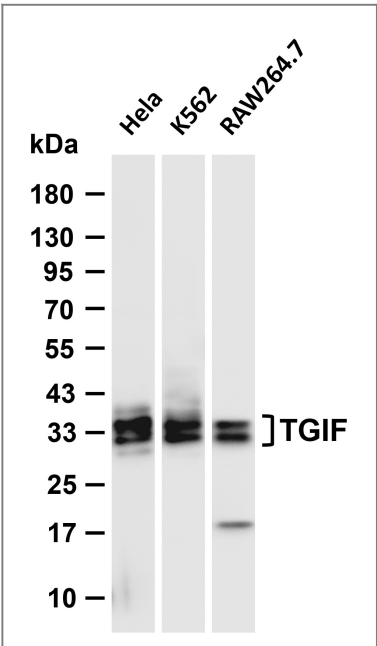
Organism	Gene ID	UniProt ID
Human	7050 ;	Q15583 ;
Mouse	21815 ;	P70284 ;

Cellular Localization Nucleus.

Tissue specificity Brain ,Liver ,Placenta ,

Function Disease:Defects in TGIF1 are the cause of holoprosencephaly type 4 (HPE4) [MIM:142946]. Holoprosencephaly (HPE) [MIM:236100] is the most common structural anomaly of the brain , in which the developing forebrain fails to correctly separate into right and left hemispheres. Holoprosencephaly is genetically heterogeneous and associated with several distinct facies and phenotypic variability. ,Function:Binds to a retinoid X receptor (RXR) responsive element from the cellular retinol-binding protein II promoter (CRBP-II-RXRE) . Inhibits the 9-cis-retinoic acid-dependent RXR alpha transcription activation of the retinoic acid responsive element. Active transcriptional corepressor of SMAD2. Links the nodal signaling pathway to the bifurcation of the forebrain and the establishment of ventral midline structures. May participate in the transmission of nuclear signals during development and in the adult , as illustrated by the down-modulation of the RXR alpha activities. ,similarity:Belongs to the TALE/TGIF homeobox family. ,similarity:Contains 1 homeobox DNA-binding domain. ,subunit:Interacts with CTBP , SMAD2 , SMAD3 and HDAC1. ,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-TGIF (PT2033R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: K562 Lane 3: RAW264.7 Predicted band size: 43kDa Observed band size: 32-34kDa

| Contact information

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Rabbit mAb

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