

5'-TG-3' interacting factor, Antibody

Homeobox protein TGIF



Catalog Number: 15-288-21970F

SwissProt Accession #: [Q15583](#)

[TGIF_HUMAN](#)

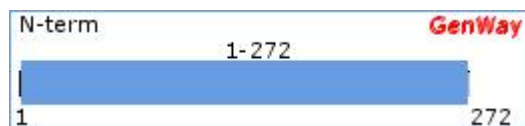
NCBI Accession #: [NP_003235.1](#)

GI #: [4507473](#)

Immunogen Sequence Position: 1-272

Length (aa): 272

Mol. Weight (Da): 43044



Linear Protein Map with Immunogenic Epitope Marked
(sequence source from above GI#)

Source: Chicken

Purity: Immunoaffinity Purified

Clonality: Polyclonal

Crossreactivity: Human

Format: Phosphate-Buffered Saline. No preservatives added.

Storage: 4°C for short term (weeks) and -20°C for long term. Avoid frequent freeze and thaw.

Stability: 6-12 months at -20°C.

Shipping: Products may be shipped on ice pack.

Precautions: This product is for *in vitro* research use only. Not for use in diagnostic or therapeutic procedures.

Important Notes: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

APPLICATIONS:

Western Blot	Tested
ELISA, ICC, IHC	Not Tested

TESTING: ([secondary reagents](#) and [protocols](#))

Western Blot: E coli-derived fusion protein as test antigen. Affinity-purified IgY dilution: 1:2000, Goat anti-IgY-HRP dilution: 1:1000. Colorimetric method for signal development.



TARGET DESCRIPTION:

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.

OMIM: 602630; gene. [[NCBI](#) / [EBI](#)]
142946; phenotype. [[NCBI](#) / [EBI](#)]

CATEGORIES RELATED TO TARGET PROTEIN:

TISSUES: [Fibroblast](#), [Tumor Cells](#), [Testis](#), [Cytoplasm](#), [Chromosomes](#), [Embryonic Brain](#), [Nucleus](#), [Intracellular](#), [Neuroepithelium](#)

PROTEIN FUNCTIONS: [Protein Byiosynthesis](#), [Viral Regulatory Proteins](#), [Oncogene Proteins](#), [Cell Division](#), [Cytokines](#)

DISEASES: [Benign Tumor](#), [Blood Diseases](#), [Birth Defects](#), [Lymphadenopathy](#), [Myelogenous Leukemia](#), [Myelodysplasia](#), [Ovarian Cancer](#)

BACKGROUND REFERENCES:

- [1] Shutoh,M., et al. [DNA methylation of genes linked with ret...](#)
- [2] Scavello,G.S., et al. [Sequence variants in the transforming gr...](#)
- [3] Chen,F., et al. [Regulation of TG-interacting factor by t...](#)
- [4] Lam,D.S., et al. [TGfbeta-induced factor: a candidate gene...](#)
- [5] Aguilera,C., et al. [Molecular screening of the TGIF gene in ...](#)

Copyright: This GenWay TDS is copyrighted. It is produced based partially on data from [Swiss-Prot/TrEMBL](#) and [NCBI](#).

Disclaimer: For documents and software available from this server, GenWay neither warrants nor assumes any legal liability or responsibility for the accuracy, completeness or utility of any information, product or process disclosed.