TGIF2LX (A-13): sc-84629



The Power to Question

BACKGROUND

The homeobox DNA-binding domain is a 60 amino acid motif that is conserved among many species and functions to bind DNA via a helix-turn-helix structure, thereby playing a role in transcriptional regulation and the control of gene expression. TGIF2LX (TGFB-induced factor homeobox 2-like, X-linked), also known as TGIFLX, is a 241 amino acid protein that localizes to the nucleus and contains one homeobox DNA-binding domain. Expressed specifically in adult testicular tissue, TGIF2LX is thought to function as a transcriptional regulator that may play a role in spermatogenesis. Like TGIF2LX, TGIF2LY is a nuclear protein that is testis-specific and functions as a transcriptional regulator during spermatid maturation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TGIF2LX, TGIF2LY (human) mapping to Xq21.31, Yp11.2.

SOURCE

TGIF2LX (A-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of TGIF2LX of human origin.

PRODUCT

Each vial contains 100 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, ready P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

TGIF2LX (A-13) is recommended for detection of TGIF2LX and TGIF2LY of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μg per 100-500 μg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Molecular Weight of TGIF2LX: 27 kDa.

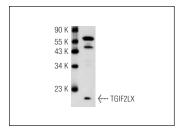
Molecular Weight of TGIF2LY: 21 kDa.

Positive Controls: NTERA-2 cl.D1 whole cell lysate.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



TGIF2LX (A-13): sc-84629. Western blot analysis of TGIF2LX expression in NTERA-2 cl.D1 whole cell lysate.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.