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Proliferin-3 (m): 293T Lysate: sc-122788

BACKGROUND

Various hormones are secreted from the anterior pituitary during development and growth, including Prolactin, Lutropin (LH), thyroid-stimulating hormone (TSH) and the proliferins. In rodents, there are four proliferin proteins, designated Proliferin-1, Proliferin-2, Proliferin-3 and Proliferin-4, all of which are secreted and are thought to play a role in embryonic development. More specifically, the proliferins provide a growth signals to target cells in fetal and maternal tissues during the mid-gestation phase of embryogenesis.

REFERENCES

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2. Linzer, D.I. and Mordacq, J.C. 1987. Transcriptional regulation of Proliferin gene expression in response to serum in transfected mouse cells. EMBO J. 6: 2281-2288.
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CHROMOSOMAL LOCATION

Genetic locus: Prl2c4 (mouse) mapping to 13 A1.

PRODUCT

Proliferin-3 (m): 293T Lysate represents a lysate of mouse Proliferin-3 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

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

APPLICATIONS

Proliferin-3 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Proliferin-3 antibodies. Recommended use: 10-20 µl per lane.

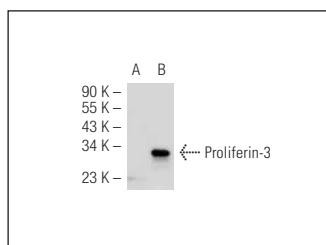
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Proliferin (N-14): sc-47347 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse Proliferin-3 expression in Proliferin-3 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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.

DATA



Proliferin (N-14): sc-47347. Western blot analysis of Proliferin-3 expression in non-transfected: sc-117752 (A) and mouse Proliferin-3 transfected: sc-122788 (B) 293T whole cell lysates.

RESEARCH USE

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