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Diagnostik & molekulare Diagnostik



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Zuschläge

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- Expressversand

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Prolactin (h): 293T Lysate: sc-170124

BACKGROUND

The anterior pituitary secretes a variety of hormones that are involved in cell growth, differentiation and development. Prolactin, a 226 amino acid protein, plays a role in multiple processes, including cell growth, reproduction and immune function. Full length Prolactin, as well as an alternative splice product lacking the third exon, are secreted by endothelial cells involved in angiogenesis. In addition to its role in mammary development and lactation, Prolactin is known to play a role in the development of mammary cancer, acting as both a mitogen and a differentiating agent. Prolactin has also been shown to enhance the proliferation of B cell hybridomas, leading to an overall increase in antibody production. In addition, Prolactin has been demonstrated to reverse the antiproliferative effects of the immunosuppressive cytokine TGF β . Prolactin is also associated with a variety of autoimmune diseases, including arthritis and type 1 diabetes.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: PRL (human) mapping to 6p22.3.

PRODUCT

Prolactin (h): 293T Lysate represents a lysate of human Prolactin transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

Prolactin (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Prolactin antibodies. Recommended use: 10-20 μ l per lane.

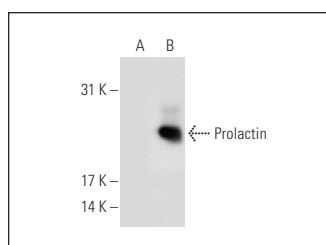
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Prolactin (E-9): sc-48383 is recommended as a positive control antibody for Western Blot analysis of enhanced human Prolactin expression in Prolactin transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

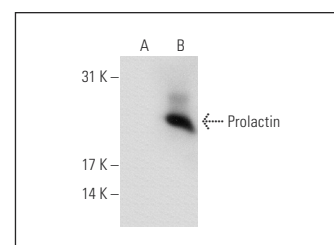
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



Prolactin (E-9): sc-48383. Western blot analysis of Prolactin expression in non-transfected: sc-117752 (A) and human Prolactin transfected: sc-170124 (B) 293T whole cell lysates.



Prolactin (PRL-149L II): sc-69874. Western blot analysis of Prolactin expression in non-transfected: sc-117752 (A) and human Prolactin transfected: sc-170124 (B) 293T whole cell lysates.

RESEARCH USE

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

PROTOCOLS

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