

follistatin (h): 293T Lysate: sc-159980

BACKGROUND

Follistatin is a high affinity binding protein of activin originally isolated for their role in regulating the release of follicle-stimulating hormone (FSH). Follistatin forms a group of interrelated factors with activins and inhibins, members of the transforming growth factor-beta (TGF β) superfamily. Activin, follistatin and activin receptors are expressed in many tissues where they function as autocrine/paracrine regulators of a variety of physiological processes including reproduction. Follistatin is an important regulator of pituitary FSH secretion.

REFERENCES

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4. Bilezikjian, L.M., et al. 2004. Autocrine/paracrine regulation of pituitary function by activin, inhibin and follistatin. *Mol. Cell. Endocrinol.* 225: 29-36.
5. Muttukrishna, S., et al. 2004. Activin and follistatin in female reproduction. *Mol. Cell. Endocrinol.* 225: 45-56.
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CHROMOSOMAL LOCATION

Genetic locus: FST (human) mapping to 5q11.2.

PRODUCT

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

APPLICATIONS

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

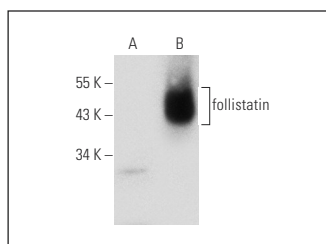
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

follistatin (D-12): sc-271502 is recommended as a positive control antibody for Western Blot analysis of enhanced human follistatin expression in follistatin transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

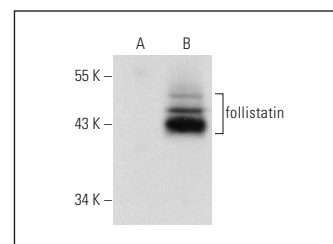
RECOMMENDED SUPPORT REAGENTS

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



follistatin (D-12): sc-271502. Western blot analysis of follistatin expression in non-transfected: sc-117752 (A) and human follistatin transfected: sc-159980 (B) 293T whole cell lysates.



follistatin (C-8): sc-365003. Western blot analysis of follistatin expression in non-transfected: sc-117752 (A) and human follistatin transfected: sc-159980 (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.