



# SZABO SCANDIC

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- Expressversand

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# 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 $\beta$ ) 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

1. Keutmann, H.T., et al. 2004. The role of follistatin domains in follistatin biological action. *Mol. Endocrinol.* 18: 228-240.
2. Hurwitz, J.M., et al. 2004. Inhibins, activins, and follistatin in the aging female and male. *Semin. Reprod. Med.* 22: 209-217.
3. Schneyer, A., et al. 2004. Differential actions of follistatin and follistatin-like 3. *Mol. Cell. Endocrinol.* 225: 25-28.
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.
6. de Kretser, D.M., et al. 2004. The role of activin, follistatin and inhibin in testicular physiology. *Mol. Cell. Endocrinol.* 225: 57-64.
7. Jones, K.L., et al. 2004. Activin A and follistatin in systemic inflammation. *Mol. Cell. Endocrinol.* 225: 119-125.
8. Phillips, D.J. 2005. Activins, inhibins and follistatins in the large domestic species. *Domest. Anim. Endocrinol.* 28: 1-16.

## 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  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## STORAGE

Store at -20 $^{\circ}$  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  $\mu$ l per lane.

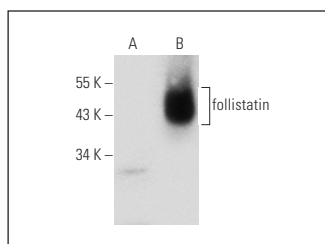
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

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).

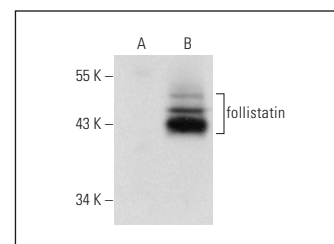
## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:  
 1) Western Blotting: use m-IgG $\kappa$  BP-HRP: sc-516102 or m-IgG $\kappa$  BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker<sup>™</sup> Molecular Weight Standards: sc-2035, UltraCruz<sup>®</sup> 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](http://www.scbt.com) for detailed protocols and support products.