Inhibin α (h2): CHO Lysate: sc-110086



The Power to Overtion

BACKGROUND

Inhibin is a gonadal protein that preferentially suppresses the secretion of pituitary follicle-stimulating hormone (FSH). Inhibin comprises two subunits, Inhibin A and Inhibin B. Each subunit consists of the same α subunit, covalently linked to one of two distinct subunits, $\beta\text{-}A$ or $\beta\text{-}B$. Originally isolated from ovarian follicular fluid and characterized as a disulphide-linked dimeric glycoprotein, Inhibin belongs to the transforming growth factor β (TFG β) superfamily of growth and differentiation factors. TFG β proteins affect a range of tissues and systems beyond their role in reproduction. In addition to their role in endocrine feedback in the reproductive sytem, inhibins subserve local regulatory roles in numerous extragonadal tissues, including brain, adrenal, bone marrow, placenta and, most notably, anterior pituitary. Inhibin α subunit gene expression is downregulated in human prostate cancer, suggesting a tumor-suppressive role. Inhibin α gene maps to chromosome 2q35.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: INHA (human) mapping to 2g35.

PRODUCT

Inhibin α (h2): CHO Lysate represents a lysate of human Inhibin α transfected CHO 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

Inhibin α (h2): CHO Lysate is suitable as a Western Blotting positive control for human reactive Inhibin α antibodies. Recommended use: 10-20 μ l per lane.

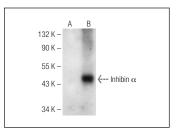
Control CHO Lysate: sc-117750 is available as a Western Blotting negative control lysate derived from non-tranfected CHO cells.

Inhibin α (D-4): sc-365439 is recommended as a positive control antibody for Western Blot analysis of enhanced human Inhibin α expression in Inhibin α transfected CHO 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-lgG κ BP-HRP: sc-516102 or m-lgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz MarkerTM Molecular Weight Standards: sc-2035, UltraCruz[®] Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



Inhibin α (D-4): sc-365439. Western blot analysis of Inhibin α expression in non transfected: sc-117750 (A) and human Inhibin α transfected: sc-110086 (B) CHO whole cell I wsates.

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.

Santa Cruz Biotechnology, Inc. 1.800.457.3801 831.457.3801 fax 831.457.3801 Europe +00800 4573 8000 49 6221 4503 0 www.scbt.com