

FSH β (F2): sc-66127

BACKGROUND

Follicle-stimulating hormone (FSH), also called follitropin, belongs to the family of glycoprotein hormones that also includes luteinizing hormone and thyroid-stimulating hormone. These hormones are secreted by the pituitary and exist as heterodimers, consisting of a common α subunit and a homologous but distinct β subunit. While the α subunit of FSH is involved in the binding of FSH to the receptor (follicle-stimulating hormone receptor, also known as FSHR), the β subunit stabilizes this interaction. This heterodimer regulates a variety of processes, including secretion, posttranslational modification and signal transduction. Both FSH and FSHR are localized to Sertoli cells.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FSHB (human) mapping to 11p14.1.

SOURCE

FSH β (F2) is a mouse monoclonal antibody raised against purified natural FSH β of human origin.

PRODUCT

Each vial contains 100 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

FSH β (F2) is recommended for detection of FSH β of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000); non cross-reactive with Gonadotropin α .

Suitable for use as control antibody for FSH β siRNA (h): sc-39315, FSH β shRNA Plasmid (h): sc-39315-SH and FSH β shRNA (h) Lentiviral Particles: sc-39315-V.

Molecular Weight of nonglycosylated FSH β : 21 kDa.

Molecular Weight of glycosylated FSH β : 24 kDa.

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.