

FSHR (N-20): sc-7798

BACKGROUND

Follicle-stimulating hormone receptor (FSHR) is a 695 amino acid G protein-coupled receptor. FSH binds to the receptor in a hand-clasp fashion via its α and β subunits. While the α subunit of FSH is involved in the binding of FSH to the receptor, the β subunit stabilizes this interaction. Linkage studies suggest that a missense mutation in the FSHR gene can cause reduced FSH binding affinity and lead to a condition known as hypergonadotropic ovarian dysgenesis (ODG). In males however, this mutation does not appear to have a detrimental affect on fertility. It is believed that a mutation in the FSHR gene is also associated with ovarian hyperstimulation syndrome; a condition characterized by the presence of multiple serous and hemorrhagic follicular cysts lined by luteinized cells.

CHROMOSOMAL LOCATION

Genetic locus: FSHR (human) mapping to 2p16.3; Fshr (mouse) mapping to 17 E5.

SOURCE

FSHR (N-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of FSHR 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.

Blocking peptide available for competition studies, sc-7798 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FSHR (N-20) is recommended for detection of FSHR of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000). FSHR (N-20) is also recommended for detection of FSHR in additional species, including equine, canine, bovine, porcine and feline.

Suitable for use as control antibody for FSHR siRNA (h): sc-35415, FSHR siRNA (m): sc-35416, FSHR shRNA Plasmid (h): sc-35415-SH, FSHR shRNA Plasmid (m): sc-35416-SH, FSHR shRNA (h) Lentiviral Particles: sc-35415-V and FSHR shRNA (m) Lentiviral Particles: sc-35416-V.

Molecular Weight of FSHR: 75 kDa.

Positive Controls: rat ovary extract: sc-2399.

STORAGE

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

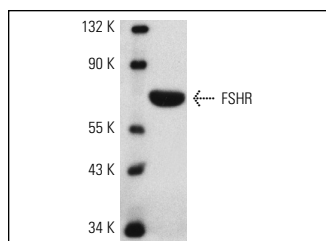
PROTOCOLS

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

RESEARCH USE

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

DATA



FSHR (N-20): sc-7798. Western blot analysis of FSHR expression in rat ovary extract.

SELECT PRODUCT CITATIONS

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