

11 β -HSD1L (N-16): sc-244840

BACKGROUND

11 β -HSD1, a low-affinity NADP-dependent dehydrogenase/oxoreductase, activates cortisol from cortisone and may also play a role in glucose homeostasis and in the pathogenesis of a number of disorders, such as Insulin resistance, obesity and cancer. 11 β -HSD1L (hydroxysteroid (11- β) dehydrogenase 1-like), also known as HSD3, HSD11B1L or SCDR10, is a 315 amino acid secreted protein that belongs to the short-chain dehydrogenases/reductases (SDR) family and is thought to function in a similar manner as 11 β -HSD1. Due to its similarity with 11 β -HSD1, 11 β -HSD1L may be involved in glucose regulation and in the development of glucose-related disease. Eight isoforms of 11 β -HSD1L exist due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: HSD11B1L (human) mapping to 19p13.3.

SOURCE

11 β -HSD1L (N-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of 11 β -HSD1L of human origin.

PRODUCT

Each vial contains 200 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-244840 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

11 β -HSD1L (N-16) is recommended for detection of 11 β -HSD1L of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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); non cross-reactive with 11 β -HSD1.

11 β -HSD1L (N-16) is also recommended for detection of 11 β -HSD1L in additional species, including equine, canine, bovine and porcine.

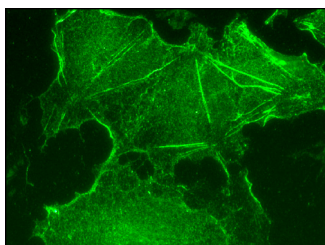
Suitable for use as control antibody for 11 β -HSD1L siRNA (h): sc-97222, 11 β -HSD1L shRNA Plasmid (h): sc-97222-SH and 11 β -HSD1L shRNA (h) Lentiviral Particles: sc-97222-V.

Molecular Weight of 11 β -HSD1L: 34 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



11 β -HSD1L (N-16): sc-244840. Immunofluorescence staining of formalin-fixed HepG2 cells showing membrane localization.

STORAGE

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

RESEARCH USE

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