



DHRS9 (P-20): sc-103469

BACKGROUND

DHRS9 (dehydrogenase/reductase (SDR family) member 9), also known as RDHL, RDH15, RDHTBE, SDR9C4 or RETSDR8, is a 319 amino acid protein that localizes to the membrane of both the microsome and the endoplasmic reticulum and belongs to the short-chain dehydrogenase/reductase family. Expressed at high levels in trachea and epidermis and present at lower levels in brain, colon, heart, lung, testis, placenta and skeletal muscle, DHRS9 functions as a homotetramer that converts both 3- α -tetrahydroprogesterone (allopregnanolone) and 3- α -androstenediol to dihydroxyprogesterone and is thought to play a role in retinoic acid biosynthesis. Multiple isoforms of DHRS9 exist due to alternative splicing events.

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STORAGE

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

CHROMOSOMAL LOCATION

Genetic locus: DHRS9 (human) mapping to 2q31.1; DhRS9 (mouse) mapping to 2 C2.

SOURCE

DHRS9 (P-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of DHRS9 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-103469 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

DHRS9 (P-20) is recommended for detection of DHRS9 of mouse, rat and 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 other DHRS family members.

Suitable for use as control antibody for DHRS9 siRNA (h): sc-94615, DHRS9 siRNA (m): sc-105296, DHRS9 shRNA Plasmid (h): sc-94615-SH, DHRS9 shRNA Plasmid (m): sc-105296-SH, DHRS9 shRNA (h) Lentiviral Particles: sc-94615-V and DHRS9 shRNA (m) Lentiviral Particles: sc-105296-V.

Molecular Weight of DHRS9: 35 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.

RESEARCH USE

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

PROTOCOLS

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