

SLC10A6 (S-12): sc-136879

BACKGROUND

The SLC10 family of sodium/bile salt cotransporters contains over 50 members in animal, plant and bacterial species. SLC10A6 (solute carrier family 10, member 6), also known as SOAT (sodium-dependent organic anion transporter), is a 373 amino acid multi-pass membrane protein belonging to the sodium:bile acid symporter family. Highly expressed in testis, placenta and pancreas, SLC10A6 transports sulfoconjugated steroid hormones, as well as taurothiocholic acid-3-sulfate and sulfoconjugated pyrenes in a sodium-dependent manner. SLC10A6 plays an important role in the cellular delivery of specific prohormones in testis, placenta, adrenal gland and other peripheral tissues. SLC10A6 has nine transmembrane domains, with an N-terminus outside the cell and an intracellular C-terminus.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SLC10A6 (human) mapping to 4q21.3.

STORAGE

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

SOURCE

SLC10A6 (S-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an N-terminal cytoplasmic domain of SLC10A6 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-136879 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

SLC10A6 (S-12) is recommended for detection of SLC10A6 of human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other SLC10A family members.

SLC10A6 (S-12) is also recommended for detection of SLC10A6 in additional species, including equine.

Suitable for use as control antibody for SLC10A6 siRNA (h): sc-89120, SLC10A6 shRNA Plasmid (h): sc-89120-SH and SLC10A6 shRNA (h) Lentiviral Particles: sc-89120-V.

Molecular Weight of SLC10A6: 42 kDa.

Positive Controls: SH-SY5Y cell lysate: sc-3812.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (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.