

OATP-I (H-47): sc-292516

BACKGROUND

The organic anion transporter family of proteins mediate hepatic uptake of cardiac glycosides. OATP-I (organic anion transporter F), also known as SLC06A1 (solute carrier organic anion transporter family member 6A1), gonad-specific transporter (GST), cancer/testis antigen 48 (CT48) or SLC21A14 (solute carrier family 21 member 19), is a 719 amino acid member of the organic anion transporter protein family. As a multi-pass membrane protein, OATP-I is thought to mediate the Na⁺-independent transport of organic anions. OATP-I is highly expressed in testis, with lower expression found in brain, placenta and spleen. OATP-I is expressed as three isoforms produced by alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SLC06A1 (human) mapping to 5q21.1.

SOURCE

OATP-I (H-47) is a rabbit polyclonal antibody raised against amino acids 237-283 mapping within an internal region of OATP-I of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

OATP-I (H-47) is recommended for detection of OATP-I of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg 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).

Suitable for use as control antibody for OATP-I siRNA (h): sc-91933, OATP-I shRNA Plasmid (h): sc-91933-SH and OATP-I shRNA (h) Lentiviral Particles: sc-91933-V.

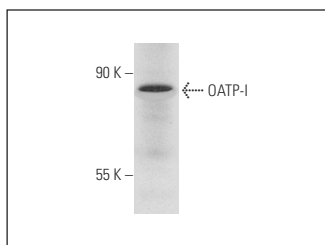
Molecular Weight of OATP-I: 79 kDa.

Positive Controls: human liver extract: sc-363766.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



OATP-I (H-47): sc-292516. Western blot analysis of OATP-I expression in human liver tissue extract.

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.