

# LST-3TM12 (L-12): sc-139154

## BACKGROUND

The Major facilitator superfamily (MFS) is a large group of secondary transporters that includes uniporters, symporters and antiporters. MFS proteins transport a variety of substrates across membranes, such as sugar phosphates, drugs, neurotransmitters, amino acids, ions, peptides and nucleosides. As a member of the MFS superfamily, LST-3TM12 (liver-specific organic anion transporter 3TM12) is a 640 amino acid protein that contains a kazal-type serine protease inhibitor domain, which is usually detected in SLC21 family members and may regulate the specificity of anion uptake. The LST-3TM12 gene is located within a region on chromosome 12 that has been associated with hepatic transporter reduced affinity for bilirubin.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: LST-3TM12 (human) mapping to 12p12.2.

## SOURCE

LST-3TM12 (L-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of LST-3TM12 of human origin.

## STORAGE

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

## 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-139154 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

LST-3TM12 (L-12) is recommended for detection of LST-3TM12 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).

Suitable for use as control antibody for LST-3TM12 siRNA (h): sc-95739, LST-3TM12 shRNA Plasmid (h): sc-95739-SH and LST-3TM12 shRNA (h) Lentiviral Particles: sc-95739-V.

Molecular Weight of LST-3TM12: 71 kDa.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.