**BACKGROUND**

The LASS6 (longevity assurance homolog) family members are highly conserved from yeasts to mammals. Six members of this family of proteins have been characterized (LASS1, LASS2, LASS3, LASS4, LASS5 and LASS6) and they all are involved in sphingolipid synthesis. LASS6 is a widely expressed 384 amino acid endoplasmic reticulum, multi-pass membrane protein. On the luminal side of the endoplasmic reticulum membrane, the N-terminal Asparagine residue is glycosylated. In cells deficient for CLN9, LASS6 corrects growth and apoptosis, and increases the levels of short ceramide species, such as C14:0- and C16:0-ceramides.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: CERS6 (human) mapping to 2q24.3; Cers6 (mouse) mapping to 2 C2.

**SOURCE**

LASS6 (L-18) is a mouse monoclonal antibody raised against recombinant LASS6 of human origin.

**PRODUCT**

Each vial contains 100 µg IgGκ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**RESEARCH USE**

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

**APPLICATIONS**

LASS6 (L-18) is recommended for detection of LASS6 of mouse, rat and 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), immunohistochemistry (including paraffin-embedded sections) (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 LASS6 siRNA (h): sc-62553, LASS6 siRNA (m): sc-62554, LASS6 shRNA Plasmid (h): sc-62553-SH, LASS6 shRNA Plasmid (m): sc-62554-SH, LASS6 shRNA (h) Lentiviral Particles: sc-62553-V and LASS6 shRNA (m) Lentiviral Particles: sc-62554-V. Molecular Weight of LASS6: 45 kDa. Positive Controls: Jurkat whole cell lysate: sc-2204, IMR-32 cell lysate: sc-2409 or Hep G2 cell lysate: sc-2227.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

**DATA**

![LASS6 Western Blot](image1)

**SELECT PRODUCT CITATIONS**


**STORAGE**

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

**PROTOCOLS**

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