

LAS1L (N-12): sc-132737

BACKGROUND

LAS1L is a 734 amino acid protein belonging to the LAS1 protein family. Subcellularly localized to the nucleus, LAS1L is expressed as four isoforms produced by alternative splicing. LAS1L is similar to the yeast protein LAS1, which plays a role in bud formation, morphogenesis and cell surface growth. The gene that encodes for LAS1L in humans is located on chromosome X. The X and Y chromosomes are the human sex chromosomes. Chromosome X consists of about 153 million base pairs and nearly 1,000 genes. The combination of an X and Y chromosome lead to normal male development while two copies of X lead to normal female development. Color blindness, hemophilia, and Duchenne muscular dystrophy are well known X chromosome-linked conditions which affect males more frequently as males carry a single X chromosome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LAS1L (human) mapping to Xq11.1.

SOURCE

LAS1L (N-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of LAS1L 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.

PROTOCOLS

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

PRODUCT

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

Blocking peptide available for competition studies, sc-132737 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LAS1L (N-12) is recommended for detection of LAS1L isoforms 1-4 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 LAS1L siRNA (h): sc-91324, LAS1L shRNA Plasmid (h): sc-91324-SH and LAS1L shRNA (h) Lentiviral Particles: sc-91324-V.

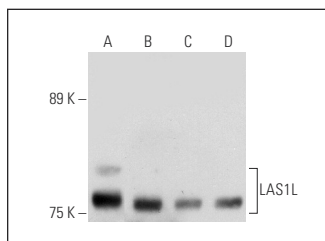
Molecular Weight of LAS1L: 83 kDa.

Positive Controls: PC-3 cell lysate: sc-2220, COLO 320DM cell lysate: sc-2226 or Hep G2 cell lysate: sc-2227.

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

DATA



LAS1L (N-12): sc-132737. Western blot analysis of LAS1L expression in 293T (A), COLO 320DM (B), NCI-H1698 (C) and PC-3 (D) whole cell lysates.

RESEARCH USE

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