

LECT2 (H-49): sc-99036

BACKGROUND

Leukocyte cell-derived chemotaxin 2 (LECT2) is a secreted protein with a neutrophil chemotactic activity. LECT2 is highly expressed in liver and shows diffuse immunostaining within the cytoplasm of hepatocytes. The LECT2 protein consists of 133 amino acids and three intramolecular disulfide bonds, and homologues of LECT2 have been widely identified in many vertebrates. LECT2 has a multifunctional role that extends from cell growth, differentiation, damage/repair process and carcinogenesis to autoimmune diseases. LECT2 expression is specifically induced in liver by β -catenin signaling. Serum LECT2 levels have been shown to increase in response to liver recovery, suggesting LECT2 may be used as a prognostic indicator.

REFERENCES

1. Kishimoto, H., et al. 1976. Anomalous origin of a successful corrective surgery. *Nippon Kyobu Geka Gakkai Zasshi* 24: 1519-1527.
2. Yamagoe, S., et al. 1998. Molecular cloning, structural characterization, and chromosomal mapping of the human LECT2 gene. *Genomics* 48: 324-329.

CHROMOSOMAL LOCATION

Genetic locus: LECT2 (human) mapping to 5q31.1; Lect2 (mouse) mapping to 13 B1.

SOURCE

LECT2 (H-49) is a rabbit polyclonal antibody raised against amino acids 103-151 mapping at the C-terminus of LECT2 of human origin.

PRODUCT

Each vial contains 200 μ g IgG 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

LECT2 (H-49) is recommended for detection of precursor and mature LECT2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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).

LECT2 (H-49) is also recommended for detection of precursor and mature LECT2 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for LECT2 siRNA (h): sc-60928, LECT2 siRNA (m): sc-60929, LECT2 shRNA Plasmid (h): sc-60928-SH, LECT2 shRNA Plasmid (m): sc-60929-SH, LECT2 shRNA (h) Lentiviral Particles: sc-60928-V and LECT2 shRNA (m) Lentiviral Particles: sc-60929-V.

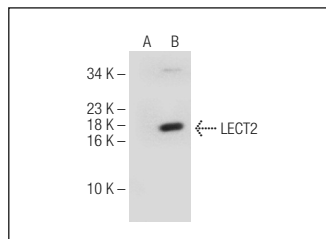
Molecular Weight of LECT2: 16 kDa.

Positive Controls: rat liver extract: sc-2395 or human LECT2 transfected HEK293T whole cell lysate.

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



LECT2 (H-49): sc-99036. Western blot analysis of LECT2 expression in non-transfected (A) and human LECT2 transfected (B) HEK293T whole cell lysates.

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.



Try **LECT2 (B-6): sc-398071** or **LECT2 (A-7): sc-398072**, our highly recommended monoclonal alternatives to LECT2 (H-49).