**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 3 intramolecular disulfide bonds, and homologs 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**


**CHROMOSOMAL LOCATION**

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

**SOURCE**

LECT2 (N-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of LECT2 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.

Blocking peptide available for competition studies, sc-47101 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**APPLICATIONS**

LECT2 (N-12) is recommended for detection of mature LECT2 and LECT2 precursor 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

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 whole cell lysate.

**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**

**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.

**PROTOCOLS**

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