

LDOC1L (C-15): sc-86515

BACKGROUND

LDOC1 (leucine zipper protein downregulated in cancer cells) is a 146 amino acid nuclear protein that contains a leucine zipper-like motif and a proline-rich region that shares marked similarity with an SH3-binding domain. The protein localizes to the nucleus and is downregulated in some cancer cell lines. It is thought to regulate the transcriptional response mediated by the nuclear factor κ B (NF κ B). The gene has been proposed as a tumor suppressor gene whose protein product may have an important role in the development and/or progression of some cancers. LDOC1L (leucine zipper protein downregulated in cancer cells-like), also known as MART6 (mammalian retrotransposon-derived protein 6), is a 239 amino acid protein that belongs to the LDOC1 family.

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CHROMOSOMAL LOCATION

Genetic locus: LDOC1L (human) mapping to 22q13.31; Ldoc1l (mouse) mapping to 15 E2.

SOURCE

LDOC1L (C-15) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of LDOC1L of human origin.

PRODUCT

Each vial contains 100 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-86515 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LDOC1L (C-15) is recommended for detection of LDOC1L of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

LDOC1L (C-15) is also recommended for detection of LDOC1L in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for LDOC1L siRNA (h): sc-75415, LDOC1L siRNA (m): sc-146695, LDOC1L shRNA Plasmid (h): sc-75415-SH, LDOC1L shRNA Plasmid (m): sc-146695-SH, LDOC1L shRNA (h) Lentiviral Particles: sc-75415-V and LDOC1L shRNA (m) Lentiviral Particles: sc-146695-V.

Molecular Weight of LDOC1L: 26 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.

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.