

LDOC1 (M-67): sc-98389

BACKGROUND

LDOC1 (leucine zipper protein downregulated in cancer cells) is a 146 amino acid nuclear protein encoded by the human gene LDOC1. This protein 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.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LDOC1 (human) mapping to Xq27.1; Ldoc1 (mouse) mapping to X A6.

SOURCE

LDOC1 (M-67) is a rabbit polyclonal antibody raised against amino acids 75-141 mapping within an internal region of LDOC1 of mouse origin.

PRODUCT

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

STORAGE

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

APPLICATIONS

LDOC1 (M-67) is recommended for detection of LDOC1 of mouse, rat and, to a lesser extent, 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).

Suitable for use as control antibody for LDOC1 siRNA (h): sc-91180, LDOC1 siRNA (m): sc-146694, LDOC1 shRNA Plasmid (h): sc-91180-SH, LDOC1 shRNA Plasmid (m): sc-146694-SH, LDOC1 shRNA (h) Lentiviral Particles: sc-91180-V and LDOC1 shRNA (m) Lentiviral Particles: sc-146694-V.

Molecular Weight of LDOC1: 17 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) 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.

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.