# SANTA CRUZ BIOTECHNOLOGY, INC.

# LDOC1 (D-12): sc-131585



The Power to Question

### 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  $\kappa B$  (NF $\kappa B$ ). 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 (mouse) mapping to X A6.

#### SOURCE

LDOC1 (D-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of LDOC1 of mouse origin.

#### PRODUCT

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-131585 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## **STORAGE**

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

#### APPLICATIONS

LDOC1 (D-12) is recommended for detection of LDOC1 of mouse and rat 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); non cross-reactive with LDOC1L.

Suitable for use as control antibody for LDOC1 siRNA (m): sc-146694, LDOC1 shRNA Plasmid (m): sc-146694-SH 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 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) Immunofluo-rescence: 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.

#### **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.