**BACKGROUND**

LDOC1 (leucine zipper protein down-regulated 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**


**CHROMOSOMAL LOCATION**

Genetic locus: LDOC1 (human) mapping to Xq27.1.

**SOURCE**

LDOC1 (2507C1a) is a mouse monoclonal antibody raised against a recombinant protein corresponding to the C-terminal region of LDOC1 of human origin.

**PRODUCT**

Each vial contains 100 µg IgG\( \text{2a} \) in 1.0 ml of PBS with <0.1% sodium azide and 1.0% stabilizer protein.

**STORAGE**

For immediate and continuous use, store at 4° C for up to one month. For sporadic use, freeze in working aliquots in order to avoid repeated freeze/thaw cycles. If turbidity is evident upon prolonged storage, clarify solution by centrifugation.

**APPLICATIONS**

LDOC1 (2507C1a) is recommended for detection of LDOC1 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)). Suitable for use as control antibody for LDOC1 siRNA (h): sc-91180, LDOC1 shRNA Plasmid (h): sc-91180-SH and LDOC1 shRNA (h) Lentiviral Particles: sc-91180-V. Molecular Weight of LDOC1: 17 kDa.

**DATA**

**SELECT PRODUCT CitATIONS**


**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**PROTOCOLS**

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