SANTA CRUZ BIOTECHNOLOGY, INC.

LONRF1 (4G7): sc-101123

BACKGROUND

The RING-type zinc finger motif is present in a number of viral and eukaryotic proteins and is made of a conserved cysteine-rich domain that is able to bind two zinc atoms. Proteins that contain this conserved domain are generally involved in the ubiquitination pathway of protein degradation. LONRF1 (LON peptidase N-terminal domain and RING finger 1), also known as RNF191 (RING-finger protein 191), is a 416 amino acid protein that contains one LON domain and one RING-type zinc finger domain. Via its RING-type zinc finger, LONRF1 may be involved in protein degradation events throughout the cell.

REFERENCES

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3. Liu, C.H., Goldberg, A.L. and Qiu, X.B. 2007. New insights into the role of the ubiquitin-proteasome pathway in the regulation of apoptosis. Chang Gung Med. J. 30: 469-479.
4. Perucatti, A., Di Meo, G.P., Goldammer, T., Incarnato, D., Brunner, R. and Iannuzzi, L. 2007. Comparative FISH-mapping of twelve loci in river buffalo and sheep chromosomes: comparison with HSA8p and HSA4q. Cytogenet. Genome Res. 119: 242-244.
5. Barber, J.C., Maloney, V.K., Huang, S., Bunyan, D.J., Cresswell, L., Kinning, E., Benson, A., Cheetham, T., Wyllie, J., Lynch, S.A., Zwolinski, S., Prescott, L., Crow, Y., Morgan, R. and Hobson, E. 2008. 8p23.1 duplication syndrome; a novel genomic condition with unexpected complexity revealed by array CGH. Eur. J. Hum. Genet. 16: 18-27.

CHROMOSOMAL LOCATION

Genetic locus: LONRF1 (human) mapping to 8p23.1.

SOURCE

LONRF1 (4G7) is a mouse monoclonal antibody raised against recombinant LONRF1 of human origin.

PRODUCT

Each vial contains 100 µg IgA in 1.0 ml 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.

PROTOCOLS

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

APPLICATIONS

LONRF1 (4G7) is recommended for detection of LONRF1 of human origin by Western Blotting (starting dilution to be determined by researcher, dilution range 1:100-1:5000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution to be determined by researcher, dilution range 1:100-1:5000).

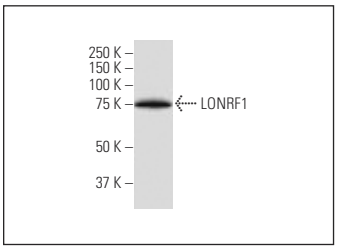
Suitable for use as control antibody for LONRF1 siRNA (h): sc-77587, LONRF1 shRNA Plasmid (h): sc-77587-SH and LONRF1 shRNA (h) Lentiviral Particles: sc-77587-V.

Molecular Weight (predicted) of LONRF1: 87 kDa.

Molecular Weight (observed) of LONRF1: 83 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

DATA



LONRF1 (4G7): sc-101123. Western blot analysis of LONRF1 expression in HeLa whole cell lysate.

RESEARCH USE

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