

LONRF1 (S-16): sc-87268

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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CHROMOSOMAL LOCATION

Genetic locus: LONRF1 (human) mapping to 8p23.1; Lonrf1 (mouse) mapping to 8 A4.

SOURCE

LONRF1 (S-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of LONRF1 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-87268 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-87268 X, 100 µg/0.1 ml.

STORAGE

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

APPLICATIONS

LONRF1 (S-16) is recommended for detection of LONRF1 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).

LONRF1 (S-16) is also recommended for detection of LONRF1 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for LONRF1 siRNA (h): sc-77587, LONRF1 siRNA (m): sc-149014, LONRF1 shRNA Plasmid (h): sc-77587-SH, LONRF1 shRNA Plasmid (m): sc-149014-SH, LONRF1 shRNA (h) Lentiviral Particles: sc-77587-V and LONRF1 shRNA (m) Lentiviral Particles: sc-149014-V.

LONRF1 (S-16) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight (predicted) of LONRF1: 87 kDa.

Molecular Weight (observed) of LONRF1: 83 kDa.

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

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) Immunofluorescence: 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.