

Limd1 (H-57): sc-134932

BACKGROUND

The Zyxin family of proteins contains five members: Ajuba, Limd1, LPP, TRIP6 and Zyxin. Limd1 (LIM domain-containing protein 1) is an ubiquitously expressed tumor suppressor containing three LIM zinc-binding domains. LIM domains consist of a cysteine-rich consensus sequence containing two distinct zinc-binding subdomains, which mediate protein-protein interactions. Limd1 interacts with the proteins SQSTM1, Rb, p62 and TRAF6. Limd1 was first identified when the deletion of its gene was noted in some cervical cancers. Limd1 blocks *in vitro* and *in vivo* tumor growth and is downregulated in lung cancer. Limd1 may regulate osteoclast development under stressful conditions via its interactions with TRAF6 and p62.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LIMD1 (human) mapping to 3p21.31; Limd1 (mouse) mapping to 9 F4.

SOURCE

Limd1 (H-57) is a rabbit polyclonal antibody raised against amino acids 1-57 mapping at the N-terminus of Limd1 of human origin.

PRODUCT

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

APPLICATIONS

Limd1 (H-57) is recommended for detection of Limd1 of mouse, rat and 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).

Limd1 (H-57) is also recommended for detection of Limd1 in additional species, including canine, bovine, porcine and avian.

Suitable for use as control antibody for Limd1 siRNA (m): sc-62562, Limd1 siRNA (m): sc-62562, Limd1 shRNA Plasmid (m): sc-62562-SH, Limd1 shRNA Plasmid (m): sc-62562-SH, Limd1 shRNA (m) Lentiviral Particles: sc-62562-V and Limd1 shRNA (m) Lentiviral Particles: sc-62562-V.

Molecular Weight of Limd1: 73 kDa.

Positive Controls: Y79 cell lysate: sc-2240.

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.

STORAGE

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

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.


 MONOS
Satisfation
Guaranteed

Try **Limd1 (H-4): sc-271448** or **Limd1 (E-10): sc-365050**, our highly recommended monoclonal alternatives to Limd1 (H-57).