

TRIML1 (C-15): sc-165794

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. TRIML1 (tripartite motif family-like 1), also known as RNF209 (RING finger protein 209), is a 468 amino acid protein that contains one SPRY domain and one RING-type zinc finger. Due to the presence of a RING-type zinc finger motif, TRIML1 may be involved in protein degradation events within the cell.

REFERENCES

- Borden, K.L., Boddy, M.N., Lally, J., O'Reilly, N.J., Martin, S., Howe, K., Solomon, E. and Freemont, P.S. 1995. The solution structure of the RING finger domain from the acute promyelocytic leukaemia proto-oncoprotein PML. *EMBO J.* 14: 1532-1541.
- Borden, K.L. and Freemont, P.S. 1996. The RING finger domain: a recent example of a sequence-structure family. *Curr. Opin. Struct. Biol.* 6: 395-401.
- Lorick, K.L., Jensen, J.P., Fang, S., Ong, A.M., Hatakeyama, S. and Weissman, A.M. 1999. RING fingers mediate ubiquitin-conjugating enzyme (E2)-dependent ubiquitination. *Proc. Natl. Acad. Sci. USA* 96: 11364-11369.
- Seto, M.H., Liu, H.L., Zajchowski, D.A. and Whitlow, M. 1999. Protein fold analysis of the B30.2-like domain. *Proteins* 35: 235-249.
- Woo, J.S., Imm, J.H., Min, C.K., Kim, K.J., Cha, S.S. and Oh, B.H. 2006. Structural and functional insights into the B30.2/SPRY domain. *EMBO J.* 25: 1353-1363.

CHROMOSOMAL LOCATION

Genetic locus: TRIML1 (human) mapping to 4q35.2; Triml1 (mouse) mapping to 8 A4.

SOURCE

TRIML1 (C-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of TRIML1 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-165794 P, (100 µg 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.

PROTOCOLS

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

APPLICATIONS

TRIML1 (C-15) is recommended for detection of TRIML1 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); non cross-reactive with TRIML2.

TRIML1 (C-15) is also recommended for detection of TRIML1 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for TRIML1 siRNA (h): sc-89017, TRIML1 siRNA (m): sc-154674, TRIML1 shRNA Plasmid (h): sc-89017-SH, TRIML1 shRNA Plasmid (m): sc-154674-SH, TRIML1 shRNA (h) Lentiviral Particles: sc-89017-V and TRIML1 shRNA (m) Lentiviral Particles: sc-154674-V.

Molecular Weight of TRIML1: 53 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201.

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.



Try **TRIML1 (S-42): sc-100883**, our highly recommended monoclonal alternative to TRIML1 (C-15).