

# TRIML1 (S-42): sc-100883

## 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.
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- 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 (S-42) is a mouse monoclonal antibody raised against recombinant TRIML1 of human origin.

## PRODUCT

Each vial contains 100 µg IgG<sub>2b</sub> kappa light chain in 1.0 ml of 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](http://www.scbt.com) for detailed protocols and support products.

## APPLICATIONS

TRIML1 (S-42) 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), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

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.

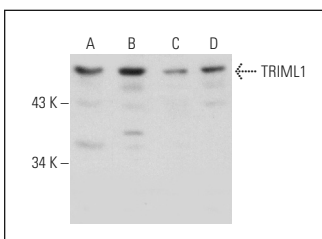
Molecular Weight of TRIML1: 53 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201, F9 cell lysate: sc-2245 or JAR cell lysate: sc-2276.

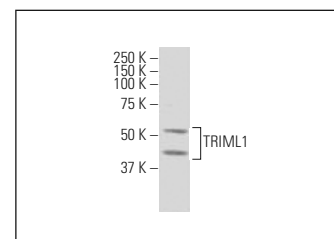
## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

## DATA



TRIML1 (S-42): sc-100883. Western blot analysis of TRIML1 expression in JAR (A) and F9 (B) whole cell lysates and human testis (C) and rat testis (D) tissue extracts.



TRIML1 (S-42): sc-100883. Western blot analysis of TRIML1 expression in A-431 whole cell lysate.

## RESEARCH USE

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