SANTA CRUZ BIOTECHNOLOGY, INC.

# TRIM62 (J-08): sc-100882

SANTA CRUZ BIOTECHNOLOGY

*The Power to Question*

## BACKGROUND

TRIM62 (tripartite motif-containing 62) is a 475 amino acid protein that belongs to the TRIM/RBCC (ring finger, B box, coiled-coil) family. TRIM62 contains one B box-type zinc finger, one SPRY domain and one RING-type zinc finger; a motif that has zinc-chelating activity and is involved in mediating protein-protein and protein-DNA interactions. As a member of the TRIM/RBCC family, TRIM62 may function in transcriptional regulation, cell transformation and carcinogenesis. In addition, TRIM62 expression can affect the entry of murine leukemia virus (MLV) and human immunodeficiency virus 1 (HIV). As is suggested by the inhibition of HIV and MLV release in TRIM62-depleted cells, TRIM62 may play a role in the cellular pathways that are essential for efficient virus release.

## REFERENCES


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2. Woo, J.S., Suh, H.Y., Park, S.Y. and Oh, B.H. 2006. Structural basis for protein recognition by B30.2/SPRY domains. Mol. Cell 24: 967-976.
3. Gregory, S.G., Barlow, K.F., McLay, K.E., Kaul, R., Swarbreck, D., Dunham, A., Scott, C.E., Howe, K.L., Woodfine, K., Spencer, C.C., Jones, M.C., Gillson, C., Searle, S., Zhou, Y., Kokocinski, F., McDonald, L., Evans, R., Phillips, K., Atkinson, A., Cooper, R., Jones, C., et al. 2006. The DNA sequence and biological annotation of human chromosome 1. Nature 441: 315-321.
4. Uchil, P.D., Quinlan, B.D., Chan, W.T., Luna, J.M. and Mothes, W. 2008. TRIM E3 ligases interfere with early and late stages of the retroviral life cycle. PLoS Pathog. 4: e16.


## CHROMOSOMAL LOCATION

Genetic locus: TRIM62 (human) mapping to 1p35.1; Trim62 (mouse) mapping to 4 D2.2.

## SOURCE

TRIM62 (J-08) is a mouse monoclonal antibody raised against recombinant TRIM62 of human origin.

## PRODUCT

Each vial contains 50 µg $IgG_{2a}$ in 0.5 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 for detailed protocols and support products.

## APPLICATIONS

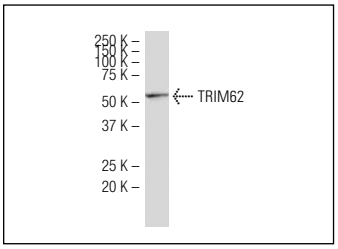
TRIM62 (J-08) is recommended for detection of TRIM62 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for TRIM62 siRNA (h): sc-88655, TRIM62 siRNA (m): sc-154664, TRIM62 shRNA Plasmid (h): sc-88655-SH, TRIM62 shRNA Plasmid (m): sc-154664-SH, TRIM62 shRNA (h) Lentiviral Particles: sc-88655-V and TRIM62 shRNA (m) Lentiviral Particles: sc-154664-V.

Molecular Weight of TRIM62: 54 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227 or Jurkat whole cell lysate: sc-2204.

## DATA




TRIM62 (J-08): sc-100882. Western blot analysis of TRIM62 expression in Hep G2 whole cell lysate.

## RESEARCH USE

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