SANTA CRUZ BIOTECHNOLOGY, INC.

TRIM62 (N-14): sc-131815

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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CHROMOSOMAL LOCATION

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

SOURCE

TRIM62 (N-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of TRIM62 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-131815 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.

RESEARCH USE

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

APPLICATIONS

TRIM62 (N-14) 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), 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 other TRIM family proteins.

TRIM62 (N-14) is also recommended for detection of TRIM62 in additional species, including equine, canine, bovine, porcine and avian.

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.

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.

PROTOCOLS

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