

TRIM49 (S-14): sc-109103

BACKGROUND

TRIM49 (tripartite motif-containing protein 49), also known as RNF18 (RING finger protein 18), is a 452 amino acid protein that belongs to the TRIM/RBCC family (C3HC4 subfamily) and is preferentially expressed in testis. TRIM49 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, TRIM49 may function in transcriptional regulation, cell transformation and carcinogenesis.

REFERENCES

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3. Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 606124. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
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CHROMOSOMAL LOCATION

Genetic locus: TRIM49 (human) mapping to 11q14.3.

SOURCE

TRIM49 (S-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TRIM49 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-109103 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

TRIM49 (S-14) is recommended for detection of TRIM49, TRIM49L2 and TRIM49B of 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).

Suitable for use as control antibody for TRIM49 siRNA (h): sc-96532, TRIM49 shRNA Plasmid (h): sc-96532-SH and TRIM49 shRNA (h) Lentiviral Particles: sc-96532-V.

Molecular Weight of TRIM49: 53 kDa.

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.