

# TRIM49 (V-12): sc-109104

## 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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2. Bates, B., Xie, Y., Taylor, N., Johnson, J., Wu, L., Kwak, S., Blatcher, M., Gulukota, K. and Paulsen, J.E. 2002. Characterization of mGluR5R, a novel, metabotropic glutamate receptor 5-related gene. *Brain Res. Mol. Brain Res.* 109: 18-33.
3. Online Mendelian Inheritance in Man, OMIM<sup>™</sup>. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 606124: World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
4. Th  lie, A., Papillier, P., Penner, S., Perreau, C., Traverso, J.M., Uzbekova, S., Mermillod, P., Joly, C., Humblot, P. and Dalbi  s-Tran, R. 2007. Differential regulation of abundance and deadenylation of maternal transcripts during bovine oocyte maturation *in vitro* and *in vivo*. *BMC Dev. Biol.* 7: 125.

## CHROMOSOMAL LOCATION

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

## SOURCE

TRIM49 (V-12) 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-109104 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](http://www.scbt.com) or our catalog for detailed protocols and support products.

## APPLICATIONS

TRIM49 (V-12) is recommended for detection of TRIM49 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); may cross-react with TRIM48.

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<sup>™</sup> compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker<sup>™</sup> 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<sup>™</sup> Mounting Medium: sc-24941.

## RESEARCH USE

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