

# TRIM27 (C-18): sc-47513



The Power to Question

## BACKGROUND

TRIM27, also designated Ret finger protein (RFP), is a member of the tripartite motif family, which is characterized by a conserved RING finger, a B-box and a coiled-coil domain (together designated RBCC). TRIM27 becomes oncogenic when its RBCC is fused with the tyrosine kinase domain of the RET protein. Normally, TRIM27 functions as a transcriptional repressor and associates with enhancer of polycomb (EPC1) and Mi-2 $\beta$ , a main component of the nucleosome remodeling and deacetylase (NuRD) complex. TRIM27 is expressed at specific stages of spermatogenesis and in various tissues and can be localized to either the cytoplasm or nucleus depending on the cell type.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: TRIM27 (human) mapping to 6p22.1; Rfp (mouse) mapping to 6 B1.

## SOURCE

TRIM27 (C-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of TRIM27 of human origin.

## PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-47513 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

TRIM27 (C-18) is recommended for detection of TRIM27 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).

TRIM27 (C-18) is also recommended for detection of TRIM27 in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for TRIM27 siRNA (h): sc-61712, TRIM27 siRNA (m): sc-61713, TRIM27 shRNA Plasmid (h): sc-61712-SH, TRIM27 shRNA Plasmid (m): sc-61713-SH, TRIM27 shRNA (h) Lentiviral Particles: sc-61712-V and TRIM27 shRNA (m) Lentiviral Particles: sc-61713-V.

Molecular Weight of TRIM27: 58 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.

## 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.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.