

TRIM69 (H-55): sc-366147

BACKGROUND

The tripartite motif (TRIM) family of proteins are characterized by a conserved TRIM domain that includes a coiled-coil region, a B-box type zinc finger, one RING finger and three zinc-binding domains. TRIM69 (tripartite motif-containing 69), also known as Trif, HSD34 or RNF36 (RING finger protein 36), is a 500 amino acid protein that belongs to the TRIM family and contains one RING-type zinc finger and one B30.2/SPRY domain. Localizing to nuclear speckles, TRIM69 interacts with PML (promyelocytic leukemia) and is thought to play a role in spermatogenesis and, when overexpressed, may be involved in apoptosis. TRIM69 is subject to posttranslational phosphorylation, an event which is necessary for TRIM69 nuclear localization. Multiple isoforms of TRIM69 exist due to alternative splicing events.

REFERENCES

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- Sardiello, M., Cairo, S., Fontanella, B., Ballabio, A. and Meroni, G. 2008. Genomic analysis of the TRIM family reveals two groups of genes with distinct evolutionary properties. *BMC Evol. Biol.* 8: 225.
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CHROMOSOMAL LOCATION

Genetic locus: TRIM69 (human) mapping to 15q21.1; Trim69 (mouse) mapping to 2 E5.

SOURCE

TRIM69 (H-55) is a rabbit polyclonal antibody raised against amino acids 1-55 mapping at the N-terminus of TRIM69 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.

RESEARCH USE

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

APPLICATIONS

TRIM69 (H-55) is recommended for detection of TRIM69 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)], 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 TRIM69 siRNA (h): sc-76752, TRIM69 siRNA (m): sc-76753, TRIM69 shRNA Plasmid (h): sc-76752-SH, TRIM69 shRNA Plasmid (m): sc-76753-SH, TRIM69 shRNA (h) Lentiviral Particles: sc-76752-V and TRIM69 shRNA (m) Lentiviral Particles: sc-76753-V.

Molecular Weight of TRIM69: 57 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (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.

PROTOCOLS

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