

TRIM67 (D-14): sc-165784

BACKGROUND

TRIM67 (tripartite motif-containing protein 67, TRIM9-like protein) is a 783 amino acid member of the TRIM/RBCC family. Tripartite motif (TRIM) proteins play important roles in a variety of cellular functions including cell proliferation, differentiation, development, oncogenesis, and apoptosis. TRIM gene expression analysis in primary human immune cells seem to suggest the involvement of TRIM proteins in also regulating host antiviral activities. TRIM67 is believed to contain two B box-type zinc fingers, one B30.2/SPRY domain, one COS domain, one fibronectin type-III domain, and one RING-type zinc finger. The gene encoding human TRIM67 is found on chromosome 1 which is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TRIM67 (human) mapping to 1q42.2; Trim67 (mouse) mapping to 8 E2.

SOURCE

TRIM67 (D-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TRIM67 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-165784 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TRIM67 (D-14) is recommended for detection of TRIM67 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 members.

TRIM67 (D-14) is also recommended for detection of TRIM67 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for TRIM67 siRNA (h): sc-78674, TRIM67 siRNA (m): sc-154667, TRIM67 shRNA Plasmid (h): sc-78674-SH, TRIM67 shRNA Plasmid (m): sc-154667-SH, TRIM67 shRNA (h) Lentiviral Particles: sc-78674-V and TRIM67 shRNA (m) Lentiviral Particles: sc-154667-V.

Molecular Weight of TRIM67: 78 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 or our catalog for detailed protocols and support products.