

TRIM65 (S-15): sc-138707

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. TRIM proteins are involved in a wide variety of cellular processes such as cell development, proliferation, differentiation, oncogenesis and apoptosis. Many TRIM proteins are induced by type I and type II interferons, making them crucial for development of pathogen-resistance. TRIM65 (tripartite motif containing 65), is a 517 amino acid protein that belongs to the TRIM/RBCC family. Containing a B box-type zinc finger, a B30.2/SPRY domain and a RING-type zinc finger, TRIM65 is encoded by a gene located on human chromosome 17q25.1. Chromosome 17 makes up over 2.5% of the human genome, with about 81 million bases encoding over 1,200 genes.

REFERENCES

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- Ozato, K., Shin, D.M., Chang, T.H. and Morse, H.C. 2008. TRIM family proteins and their emerging roles in innate immunity. *Nat. Rev. Immunol.* 8: 849-860.
- Du Pasquier, L. 2009. Fish 'n' TRIMs. *J. Biol.* 8: 50.
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CHROMOSOMAL LOCATION

Genetic locus: TRIM65 (human) mapping to 17q25.1; Trim65 (mouse) mapping to 11 E2.

SOURCE

TRIM65 (S-15) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of TRIM65 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-138707 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.

APPLICATIONS

TRIM65 (S-15) is recommended for detection of TRIM65 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other TRIM family members.

TRIM65 (S-15) is also recommended for detection of TRIM65 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for TRIM65 siRNA (h): sc-93883, TRIM65 siRNA (m): sc-154665, TRIM65 shRNA Plasmid (h): sc-93883-SH, TRIM65 shRNA Plasmid (m): sc-154665-SH, TRIM65 shRNA (h) Lentiviral Particles: sc-93883-V and TRIM65 shRNA (m) Lentiviral Particles: sc-154665-V.

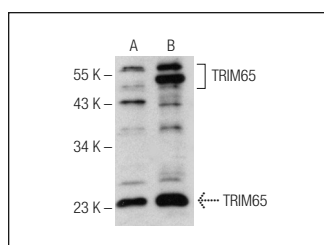
Molecular Weight of TRIM65: 57 kDa.

Positive Controls: TRIM65 (h): 293T Lysate: sc-113360.

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.

DATA



TRIM65 (S-15): sc-138707. Western blot analysis of TRIM65 expression in non-transfected: sc-117752 (A) and human TRIM65 transfected: sc-113360 (B) 293T whole cell lysates.

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.