

TRIP (D-15): sc-99695

BACKGROUND

The RING-type zinc finger motif is present in a number of viral and eukaryotic proteins and is made of a conserved cysteine-rich domain that is able to bind two zinc atoms. Proteins that contain this conserved domain are generally involved in the ubiquitination pathway of protein degradation. TRIP, also known as TRAIP (TRAF interacting protein) or RNF206 (RING finger protein 206), is a 469 amino acid protein that localizes to the perinuclear region of the cytoplasm and contains one RING-type zinc finger. Existing as a component of the receptor-TRAF signaling complex, TRIP interacts with TRAF1 and TRAF2 and functions to inhibit TNF-mediated $\text{NK}\kappa\text{B}$ activation, possibly playing a role in the regulation of cell activation and apoptosis. The gene encoding TRIP maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TRAIP (human) mapping to 3p21.31; Traip (mouse) mapping to 9 F1.

SOURCE

TRIP (D-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of TRIP of human origin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

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-99695 P, (100 μg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TRIP (D-15) is recommended for detection of TRIP 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).

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

Suitable for use as control antibody for TRIP siRNA (h): sc-78032, TRIP siRNA (m): sc-154676, TRIP shRNA Plasmid (h): sc-78032-SH, TRIP shRNA Plasmid (m): sc-154676-SH, TRIP shRNA (h) Lentiviral Particles: sc-78032-V and TRIP shRNA (m) Lentiviral Particles: sc-154676-V.

Molecular Weight of TRIP: 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™ 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.

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.