

TRIM35 (N-17): sc-79787

BACKGROUND

TRIM35 (tripartite motif-containing 35), also known as HLS5 (hemopoietic lineage switch protein 5) or MAIR (macrophage-derived apoptosis-inducing RBCC protein), is a widely expressed 493 amino acid protein that belongs to the TRIM/RBCC (RING finger, B box, coiled-coil) family. TRIM35 contains a B box-type zinc finger, a coiled-coil domain, a SPRY domain and a RING-type zinc finger, a motif that has zinc-chelating activity and is involved in mediating protein-protein and protein-DNA interactions. Localizing to cytoplasmic granules and punctate nuclear bodies, TRIM35 is believed to play a role in the cell death mechanism. The forced expression of TRIM35 in HeLa cells results in the inhibition of tumorigenicity, cell growth and clonogenicity. In addition, the gene encoding TRIM35 localizes to a region of chromosome 8 that has been implicated in a number of leukemias and solid tumors. This suggests that TRIM35 may function as a tumor suppressor.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TRIM35 (human) mapping to 8p21.2; Trim35 (mouse) mapping to 14 D1.

RESEARCH USE

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

SOURCE

TRIM35 (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of TRIM35 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-79787 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TRIM35 (N-17) is recommended for detection of TRIM35 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).

TRIM35 (N-17) is also recommended for detection of TRIM35 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for TRIM35 siRNA (h): sc-76748, TRIM35 siRNA (m): sc-76749, TRIM35 shRNA Plasmid (h): sc-76748-SH, TRIM35 shRNA Plasmid (m): sc-76749-SH, TRIM35 shRNA (h) Lentiviral Particles: sc-76748-V and TRIM35 shRNA (m) Lentiviral Particles: sc-76749-V.

Molecular Weight of TRIM35: 59 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203.

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.

PROTOCOLS

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