

TRIP6 (H-95): sc-292303

BACKGROUND

Zyxin is a LIM domain-containing, zinc finger domain-containing, SH3 ligand-containing phosphoprotein that localizes to focal adhesion plaques and Actin filament bundles. Thyroid receptor interacting protein 6 (TRIP6) is a Zyxin-related protein. TRIP6 interacts with the ligand binding domain of the thyroid receptor and is predominantly expressed in kidney, liver and lung. It interacts with receptor-interacting protein 2 (RIP2) through LIM domains in a TNF- or IL-1-dependent manner. TRIP6 also interacts with TRAF2, a protein that is crucially involved in TNF signaling, as well as the IL-1 receptor, TLR2 and Nod1. Overexpression of TRIP6 facilitates NF κ B activation by TNF, IL-1, TLR2 or Nod1, whereas a dominant negative mutant or RNA-interference construct of TRIP6 inhibits NF κ B activation by TNF, IL-1, TLR2 or Nod1. Moreover, TRIP6 also potentiates RIP2- and Nod1-mediated ERK activation.

REFERENCES

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- Gur'ianova, O.A., Sablina, A.A., Chumakov, P.M. and Frolova, E.I. 2005. Downregulation of TRIP6 expression induces Actin cytoskeleton rearrangements in human carcinoma cell lines. *Mol. Biol.* 39: 905-909.

CHROMOSOMAL LOCATION

Genetic locus: TRIP6 (human) mapping to 7q22.1; Trip6 (mouse) mapping to 5 G2.

SOURCE

TRIP6 (H-95) is a rabbit polyclonal antibody raised against amino acids 160-254 mapping within an internal region of TRIP6 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

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.

APPLICATIONS

TRIP6 (H-95) is recommended for detection of TRIP6 of human and, to a lesser extent, mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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).

TRIP6 (H-95) is also recommended for detection of TRIP6 in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for TRIP6 siRNA (h): sc-45561, TRIP6 siRNA (m): sc-45562, TRIP6 shRNA Plasmid (h): sc-45561-SH, TRIP6 shRNA Plasmid (m): sc-45562-SH, TRIP6 shRNA (h) Lentiviral Particles: sc-45561-V and TRIP6 shRNA (m) Lentiviral Particles: sc-45562-V.

Molecular Weight of TRIP6: 50 kDa.

Positive Controls: HeLa nuclear extract: sc-2120 or K-562 nuclear extract: sc-2130.

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.

PROTOCOLS

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


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Try **TRIP6 (F-8): sc-166310** or **TRIP6 (F-5): sc-365122**, our highly recommended monoclonal alternatives to TRIP6 (H-95).