

TRIM47 (S-13): sc-136941

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. TRIM47 (tripartite motif-containing 47), also known as GOA (gene overexpressed in astrocytoma protein) or RNF100 (RING finger protein 100), is a 638 amino acid protein that localizes to both cytoplasm and nucleus and belongs to the TRIM/RBCC family. While TRIM47 expression is low in most tissues, it is highly expressed in kidney tubular cells and overexpressed in astrocytoma tumor cells. Containing one B box-type zinc finger, B30.2/SPRY domain and a RING-type zinc finger, the gene encoding TRIM47 maps to human chromosome 17q25.1.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TRIM47 (human) mapping to 17q25.1; Trim47 (mouse) mapping to 11 E2.

SOURCE

TRIM47 (S-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of TRIM47 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.

PROTOCOLS

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

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-136941 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TRIM47 (S-13) is recommended for detection of TRIM47 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.

TRIM47 (S-13) is also recommended for detection of TRIM47 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for TRIM47 siRNA (h): sc-93720, TRIM47 siRNA (m): sc-154655, TRIM47 shRNA Plasmid (h): sc-93720-SH, TRIM47 shRNA Plasmid (m): sc-154655-SH, TRIM47 shRNA (h) Lentiviral Particles: sc-93720-V and TRIM47 shRNA (m) Lentiviral Particles: sc-154655-V.

Molecular Weight of TRIM47: 70 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.