

TRIM37 (D-20): sc-49549

BACKGROUND

TRIM37, also designated KIAA0898, is a protein that localizes to peroxisomes and contains a tripartite motif (TRIM) and a tumor necrosis factor-receptor associated factor (TRAF) domain. The protein and gene forms of TRIM37 are highly conserved between human and mouse. TRIM37 is expressed at a low level in the liver, ovary, heart, lung, skeletal muscle, and kidney, while it is highly expressed in the testis and brain, where it may act as an E3 ubiquitin ligase. Mutations in the TRIM37 gene result in Mulibrey nanism, an autosomal recessive prenatal-onset growth disorder that causes characteristic dysmorphic craniofacial features, heart disease, cardiopathy, failure of sexual maturation, and hepatomegaly.

CHROMOSOMAL LOCATION

Genetic locus: TRIM37 (human) mapping to 17q22; Trim37 (mouse) mapping to 11 C.

SOURCE

TRIM37 (D-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TRIM37 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-49549 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.

RESEARCH USE

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

APPLICATIONS

TRIM37 (D-20) is recommended for detection of TRIM37 isoforms 1 and 2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg 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).

TRIM37 (D-20) is also recommended for detection of TRIM37 isoforms 1 and 2 in additional species, including bovine and avian.

Suitable for use as control antibody for TRIM37 siRNA (h): sc-61716, TRIM37 siRNA (m): sc-61717, TRIM37 shRNA Plasmid (h): sc-61716-SH, TRIM37 shRNA Plasmid (m): sc-61717-SH, TRIM37 shRNA (h) Lentiviral Particles: sc-61716-V and TRIM37 shRNA (m) Lentiviral Particles: sc-61717-V.

Molecular Weight (predicted) of TRIM37: 108/89/104 kDa.

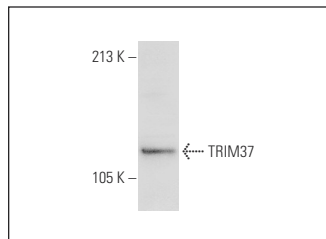
Molecular Weight (observed) of TRIM37: 130/85 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



TRIM37 (D-20): sc-49549. Western blot analysis of TRIM37 expression in Hep G2 whole cell lysate.

PROTOCOLS

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

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Try **TRIM37 (C-6): sc-515044** or **TRIM37 (B-11): sc-514828**, our highly recommended monoclonal alternatives to TRIM37 (D-20).