

TRIM14 (F-25): sc-134115

BACKGROUND

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. TRIM14 (tripartite motif-containing 14) is a 442 amino acid protein belonging to the TRIM/RBCC family. With highest expression in liver, TRIM14 contains one B box-type zinc finger and one B30.2/SPRY domain. Through its B-box zinc finger domain, TRIM14 inhibits the transcriptional activity of PU.1 in a dose-dependent manner. TRIM14 exists as two alternatively spliced isoforms that are designated isoform α and isoform β . TRIM14 is encoded by a gene located on human chromosome 9, which consists of about 145 million bases, 4% of the human genome and encodes nearly 900 genes. Chromosome 9 may play a role in gender determination and deletion of the distal portion of 9p can lead to development of male to female sex reversal, the phenotype of a female with a male X,Y genotype.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TRIM14 (human) mapping to 9q22.33.

SOURCE

TRIM14 (F-25) is a Protein A purified rabbit polyclonal antibody raised against synthetic TRIM14 peptide of human origin.

PRODUCT

Each vial contains 100 μ g IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

RESEARCH USE

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

APPLICATIONS

TRIM14 (F-25) is recommended for detection of TRIM14 of human 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for TRIM14 siRNA (h): sc-76736, TRIM14 shRNA Plasmid (h): sc-76736-SH and TRIM14 shRNA (h) Lentiviral Particles: sc-76736-V.

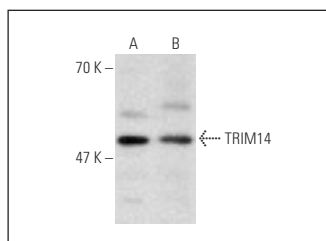
Molecular Weight of TRIM14: 50 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204 or CCRF-CEM cell lysate: sc-2225.

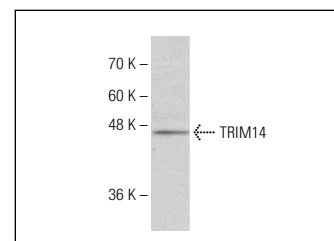
RECOMMENDED SECONDARY REAGENTS

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).

DATA



TRIM14 (F-25): sc-134115. Western blot analysis of TRIM14 expression in CCRF-CEM whole cell lysate (A) and mouse thymus tissue extract (B).



TRIM14 (F-25): sc-134115. Western blot analysis of TRIM14 expression in Jurkat whole cell lysate.

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.