

TRIM49 (3-H): sc-100884

BACKGROUND

TRIM49 (tripartite motif-containing protein 49), also known as RNF18 (RING finger protein 18), is a 452 amino acid protein that belongs to the TRIM/RBCC family (C3HC4 subfamily) and is preferentially expressed in testis. TRIM49 contains one B box-type zinc finger, one SPRY domain and one RING-type zinc finger, a motif that has zinc-chelating activity and is involved in mediating protein-protein and protein-DNA interactions. As a member of the TRIM/RBCC family, TRIM49 may function in transcriptional regulation, cell transformation and carcinogenesis.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TRIM49 (human) mapping to 11q14.3.

SOURCE

TRIM49 (3-H) is a mouse monoclonal antibody raised against recombinant TRIM49 of human origin.

PRODUCT

Each vial contains 100 µg IgG_{2a} kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

TRIM49 (3-H) is recommended for detection of TRIM49 of 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), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for TRIM49 siRNA (h): sc-96532, TRIM49 shRNA Plasmid (h): sc-96532-SH and TRIM49 shRNA (h) Lentiviral Particles: sc-96532-V.

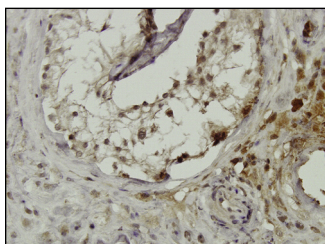
Molecular Weight of TRIM49: 53 kDa.

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:

- 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker[™] Molecular Weight Standards: sc-2035, UltraCruz[®] Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.
- 2) Immunofluorescence: use m-IgGκ BP-FITC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz[®] Mounting Medium: sc-24941 or UltraCruz[®] Hard-set Mounting Medium: sc-359850.
- 3) Immunohistochemistry: use m-IgGκ BP-HRP: sc-516102 with DAB, 50X: sc-24982 and Immunohistomount: sc-45086, or Organo/Limonene Mount: sc-45087.

DATA



TRIM49 (3-H): sc-100884. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human testis tissue showing nuclear and cytoplasmic localization.

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.

PROTOCOLS

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