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RASSF3 (m2): 293T Lysate: sc-122984

BACKGROUND

Ras is a small GTP-binding protein involved in many cellular processes, including proliferation, differentiation and apoptosis. Ras transmits signals of cell surface receptors by binding to a variety of effector molecules. In addition to the well characterized effectors Raf and PI 3-kinase, Ras also interacts with members of the RASSF family, including RASSF1, RASSF2, RASSF3, RASSF4 and Nore1. Members of the RASSF family contain a highly conserved Ras association domain (Ral GDS/AF-6 or RA) and function as Ras effectors/tumor suppressors. RASSF3 (ras association domain family 3) is a ubiquitously expressed protein found in normal and cancerous tissues. RASSF3 contains an N-terminal RA domain and a coiled-coil SARAH domain. Three isoforms, namely RASSF3A, RASSF3B and RASSF3C, may exist for RASSF3 due to alternative splicing. RASSF3B and RASSF3C are shorter than RASSF3A and do not contain the RA and SARAH domain.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: *Rassf3* (mouse) mapping to 10 D2.

PRODUCT

RASSF3 (m2): 293T Lysate represents a lysate of mouse RASSF3 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

APPLICATIONS

RASSF3 (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive RASSF3 antibodies. Recommended use: 10-20 µl per lane.

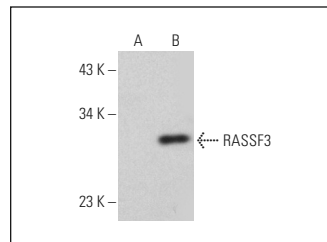
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

RASSF3 (E-4): sc-376560 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse RASSF3 expression in RASSF3 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

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.

DATA



RASSF3 (E-4): sc-376560. Western blot analysis of RASSF3 expression in non-transfected: sc-117752 (A) and mouse RASSF3 transfected: sc-122984 (B) 293T whole cell lysates.

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.