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Produktinformation

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- Diagnostik & molekulare Diagnostik
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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SANTA CRUZ BIOTECHNOLOGY, INC.

RUNDC3A (m): 293T Lysate: sc-125953

BACKGROUND

RUNDC3A (RUN domain containing 3A), also known as RPIP-8 (rap2-interacting protein 8) or RAP2IP, is a 446 amino acid protein that is thought to act as an effector protein of RAP2A in neuronal cells. A member of the RUNDC3 family, RUNDC3A contains one RUN domain and undergoes alternative splicing events to produce four isoforms. RUNDC3A is expressed in testis, brain, kidney and liver, and is encoded by a gene that maps to human chromosome 17q21.31. Chromosome 17 comprises over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: Rundc3a (mouse) mapping to 11 D.

PRODUCT

RUNDC3A (m): 293T Lysate represents a lysate of mouse RUNDC3A transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

RUNDC3A (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive RUNDC3A antibodies. Recommended use: 10-20 µl per lane.

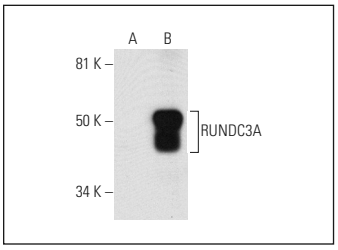
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

RUNDC3A (F-2): sc-390963 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse RUNDC3A expression in RUNDC3A transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

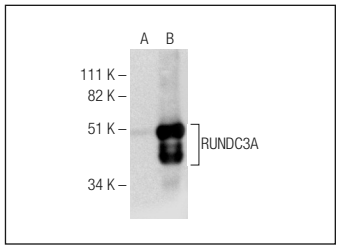
RECOMMENDED SUPPORT REAGENTS

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



RUNDC3A (F-2): sc-390963. Western blot analysis of RUNDC3A expression in non-transfected: sc-117752 (**A**) and mouse RUNDC3A transfected: sc-125953 (**B**) 293T whole cell lysates.



RUNDC3A (E-2): sc-377090. Western blot analysis of RUNDC3A expression in non-transfected: sc-117752 (**A**) and mouse RUNDC3A transfected: sc-125953 (**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.