

RBFOX3 (m): 293T Lysate: sc-125473

BACKGROUND

RBFOX3 (RNA binding protein, Fox-1), also known as NEUN, HRNBP3, Fox-3 or Fox-1 homolog C, is a 350 amino acid protein that contains one RRM (RNA recognition motif) domain. Localized to both the nucleus and cytoplasm, RBFOX3 is suggested to regulate alternative splicing events. RBFOX3 is encoded by a gene located on human chromosome 17, which is comprised 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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CHROMOSOMAL LOCATION

Genetic locus: Rbfox3 (mouse) mapping to 11 E2.

PRODUCT

RBFOX3 (m): 293T Lysate represents a lysate of mouse RBFOX3 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

RBFOX3 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive RBFOX3 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.

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.

PROTOCOLS

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