

RBMX (m): 293T Lysate: sc-123020

BACKGROUND

Heterogeneous nuclear ribonucleoproteins (hnRNPs) constitute a set of polypeptides that contribute to mRNA transcription, pre-mRNA processing as well as mature mRNA transport to the cytoplasm and translation. They also bind heterogeneous nuclear RNA (hnRNA), which are the transcripts produced by RNA polymerase II. There are approximately 20 known hnRNP proteins, and their complexes are the major constituents of the spliceosome. The majority of hnRNP proteins components are localized to the nucleus; however some shuttle between the nucleus and the cytoplasm. RBMX (also known as hnRNP G) is a glycoprotein originally identified as an autoantigen from German shepherd dogs with lupus-like syndrome. The gene encoding RBMX is located on human chromosome Xq26 and is ubiquitously expressed. It contains one RNP-consensus RNA binding domain (RBD) and is related to RBMY, which is involved in spermatogenesis, and RBMXL2, which is a testis specific protein. All three proteins interact with Tra2 β , and therefore are involved in pre-mRNA splicing.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RbmX (mouse) mapping to X A5.

PRODUCT

RBMX (m): 293T Lysate represents a lysate of mouse RBMX transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

RBMX (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive RBMX antibodies. Recommended use: 10-20 μ l 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.

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.