SANTA CRUZ BIOTECHNOLOGY, INC.

RBM26 (N-15): sc-84582

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The Power to Question

BACKGROUND

Proteins containing RNA recognition motifs, including various hnRNP proteins, are implicated in the regulation of alternative splicing and protein components of snRNPs. The RBM (RNA-binding motif) gene family encodes proteins with an RNA binding motif that have been suggested to play a role in the modulation of apoptosis. RBM26 (RNA binding motif protein 26), whose alternative names include CTCL tumor antigen se70-2, C13orf10, ARRS2, SE70-2, ZC3H17, PRO1777, FLJ20957, RP11-255E21.1, MGC133295 or MGC133296, is a 1,007 amino acid protein with 6 isoforms which result due to alternative splicing. RBM26 also contains one C3H1-type zinc finger and two RRM (RNA recognition motif) domains. The gene encoding RBM26 maps to human chromosome 13q31.1.

REFERENCES

1. Varani, G. and Nagai, K. 1998. RNA recognition by RNP proteins during RNA processing. Annu. Rev. Biophys. Biomol. Struct. 27: 407-445.
2. Eichmuller, S., Usener, D., Dummer, R., Stein, A., Thiel, D. and Schadendorf, D. 2001. Serological detection of cutaneous T-cell lymphoma-associated antigens. Proc. Natl. Acad. Sci. USA 98: 629-634.
3. Maris, C., Dominguez, C. and Allain, F.H. 2005. The RNA recognition motif, a plastic RNA-binding platform to regulate post-transcriptional gene expression. FEBS J. 272: 2118-2131.
4. Sutherland, L.C., Rintala-Maki, N.D., White, R.D. and Morin, C.D. 2005. RNA binding motif (RBM) proteins: a novel family of apoptosis modulators? J. Cell. Biochem. 94: 5-24.

CHROMOSOMAL LOCATION

Genetic locus: RBM26 (human) mapping to 13q31.1; Rbm26 (mouse) mapping to 14 E2.3.

SOURCE

RBM26 (N-15) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of RBM26 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-84582 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

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

APPLICATIONS

RBM26 (N-15) is recommended for detection of RBM26 of mouse, rat and 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with isoforms RBM26-4 or RBM26-5.

RBM26 (N-15) is also recommended for detection of RBM26 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for RBM26 siRNA (h): sc-76367, RBM26 siRNA (m): sc-152737, RBM26 shRNA Plasmid (h): sc-76367-SH, RBM26 shRNA Plasmid (m): sc-152737-SH, RBM26 shRNA (h) Lentiviral Particles: sc-76367-V and RBM26 shRNA (m) Lentiviral Particles: sc-152737-V.

Molecular Weight of RBM26: 113 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

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