

# RBM26 (A-18): sc-84581

## 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 (A-18) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the C-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-84581 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](http://www.scbt.com) or our catalog for detailed protocols and support products.

## APPLICATIONS

RBM26 (A-18) 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 RBM26-6.

RBM26 (A-18) 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.