



RBM11 (G-18): sc-83318

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. RBM11 (RNA-binding protein 11) is a 281 amino acid nuclear protein that contains one RNA recognition motif. RBM11 exists as two isoforms produced by alternative splicing and is expressed in testis, kidney, spleen, brain, spinal cord and mammary gland. The gene that encodes RBM11 maps to chromosome 21, the smallest of the human chromosomes. Down syndrome, also known as trisomy 21, is the disease most commonly associated with chromosome 21. Alzheimer's disease, Jervell and Lange-Nielsen syndrome and amyotrophic lateral sclerosis are also associated with chromosome 21.

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CHROMOSOMAL LOCATION

Genetic locus: RBM11 (human) mapping to 21q11.2; Rbm11 (mouse) mapping to 16 C3.1.

SOURCE

RBM11 (G-18) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of RBM11 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-83318 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

RBM11 (G-18) is recommended for detection of RBM11 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 other RBM family members.

RBM11 (G-18) is also recommended for detection of RBM11 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for RBM11 siRNA (h): sc-91387, RBM11 siRNA (m): sc-152724, RBM11 shRNA Plasmid (h): sc-91387-SH, RBM11 shRNA Plasmid (m): sc-152724-SH, RBM11 shRNA (h) Lentiviral Particles: sc-91387-V and RBM11 shRNA (m) Lentiviral Particles: sc-152724-V.

Molecular Weight of RBM11: 32 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.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. 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 or our catalog for detailed protocols and support products.