SANTA CRUZ BIOTECHNOLOGY, INC.

RBM46 (C-13): sc-131767

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The Power to Question

BACKGROUND

The RBM (RNA-binding motif) gene family encodes proteins with an RNA binding motif. RBM46, also known as cancer/testis antigen 68, is a 533 amino acid protein containing three RNA recognition motifs (RRMs). RNA recognition motifs are one of the most abundant domains in eukaryotes. Characterized by two α helices packed onto a four-stranded β-sheet, these RNA binding domains usually consist of a 90 amino acid sequence that is highly conserved among species. RRM-containing proteins are involved in a high variety of post-translational gene regulation events including splicing, translation regulation, pre-mRNA processing, degradation, alternative splicing, mRNA export, mRNA stability, RNA editing and pre-rRNA complex formation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RBM46 (human) mapping to 4q32.1.

SOURCE

RBM46 (C-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of RBM46 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-131767 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

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

APPLICATIONS

RBM46 (C-13) is recommended for detection of RBM46 of 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.

RBM46 (C-13) is also recommended for detection of RBM46 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for RBM46 siRNA (h): sc-89235, RBM46 shRNA Plasmid (h): sc-89235-SH and RBM46 shRNA (h) Lentiviral Particles: sc-89235-V.

Molecular Weight of RBM46: 60 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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 donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (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.

PROTOCOLS

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