

# RBM10 (P-20): sc-69601

## 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. RBM10 (RNA-binding protein 10), also known as GPATC9, MGC997, ZRANB5, GPATCH9 or RNA-binding protein S1-1, is a 930 amino acid nuclear protein that contains 2 RNA recognition motifs, a RanBP2-type zinc finger, a C<sub>2</sub>H<sub>2</sub>-type zinc finger and a G-patch domain. RBM10 binds to RNA homopolymers and may be involved in post-transcriptional processing, cancer proliferation and apoptosis. RBM10 may be significantly associated with the expression of the VEGF.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: RBM10 (human) mapping to Xp11.23; Rbm10 (mouse) mapping to X A1.3.

## SOURCE

RBM10 (P-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of RBM10 of human origin.

## STORAGE

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

## PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-69601 X, 200 µg/0.1 ml.

Blocking peptide available for competition studies, sc-69601 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

RBM10 (P-20) is recommended for detection of RBM10 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).

RBM10 (P-20) is also recommended for detection of RBM10 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for RBM10 siRNA (h): sc-76362, RBM10 siRNA (m): sc-76363, RBM10 shRNA Plasmid (h): sc-76362-SH, RBM10 shRNA Plasmid (m): sc-76363-SH, RBM10 shRNA (h) Lentiviral Particles: sc-76362-V and RBM10 shRNA (m) Lentiviral Particles: sc-76363-V.

RBM10 (P-20) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight (predicted) of RBM10: 104 kDa.

Molecular Weight (observed) of RBM10: 116-136 kDa.

Positive Controls: Daudi cell lysate: sc-2415.

## 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.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.



Try **RBM10 (H-4): sc-515548** or **RBM10 (2F12): sc-517062**, our highly recommended monoclonal alternatives to RBM10 (P-20).