

# RBM10 (E-18): sc-69600

## 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.

## CHROMOSOMAL LOCATION

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

## SOURCE

RBM10 (E-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of RBM10 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-69600 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-69600 X, 200 µg/0.1 ml.

## APPLICATIONS

RBM10 (E-18) 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), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (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 (E-18) 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 (E-18) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight (predicted) of RBM10: 104 kDa.

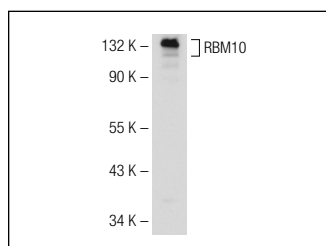
Molecular Weight (observed) of RBM10: 116-136 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203.

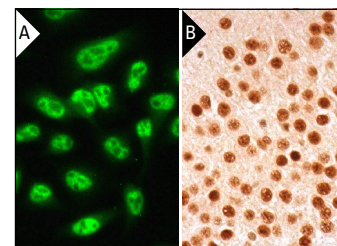
## RECOMMENDED SECONDARY REAGENTS

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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. 4) Immunohistochemistry: use ImmunoCruz™: sc-2053 or ABC: sc-2023 goat IgG Staining Systems.

## DATA



RBM10 (E-18): sc-69600. Western blot analysis of RBM10 expression in K-562 whole cell lysate.



RBM10 (E-18): sc-69600. Immunofluorescence staining of formalin-fixed HeLa cells showing nuclear localization. Kindly provided by Yang Xiang, Ph.D., Division of Newborn Medicine, Boston Children's Hospital, Cell Biology Department, Harvard Medical School (A). Immunoperoxidase staining of formalin fixed, paraffin-embedded human hippocampus tissue showing nuclear staining of neuronal cells and glial cells (B).

## 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](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 (E-18).