

RBPMS2 (C-16): sc-248386

BACKGROUND

RBPMS2 (RNA-binding protein with multiple splicing 2) is a 209 amino acid protein that is involved in nucleic acid and nucleotide binding. The RBPMS2 protein contains one RRM (RNA recognition motif) domain. The RBPMS2 gene is conserved in chimpanzee, canine, bovine, mouse, rat, chicken, zebra-fish and mosquito, and maps to human chromosome 15q22.31. Encoding more than 700 genes, chromosome 15 is made up of approximately 106 million base pairs and is about 3% of the human genome. Tay-Sachs disease is a lethal disorder associated with mutations of the HEXA gene, which is located on chromosome 15. Marfan syndrome is associated with chromosome 15 through the FBN1 gene.

REFERENCES

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- Souren, M., et al. 2009. A global survey identifies novel upstream components of the Ath5 neurogenic network. *Genome Biol.* 10: R92.
- Ding, L., et al. 2009. Human four-and-a-half LIM family members suppress tumor cell growth through a TGF- β -like signaling pathway. *J. Clin. Invest.* 119: 349-361.
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CHROMOSOMAL LOCATION

Genetic locus: RBPMS2 (human) mapping to 15q22.31; Rbpms2 (mouse) mapping to 9 C.

SOURCE

RBPMS2 (C-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of RBPMS2 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-248386 P, (100 μ g 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

RBPMS2 (C-16) is recommended for detection of RBPMS2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], 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 RBPMS.

RBPMS2 (C-16) is also recommended for detection of RBPMS2 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for RBPMS2 siRNA (h): sc-90232, RBPMS2 siRNA (m): sc-152765, RBPMS2 shRNA Plasmid (h): sc-90232-SH, RBPMS2 shRNA Plasmid (m): sc-152765-SH, RBPMS2 shRNA (h) Lentiviral Particles: sc-90232-V and RBPMS2 shRNA (m) Lentiviral Particles: sc-152765-V.

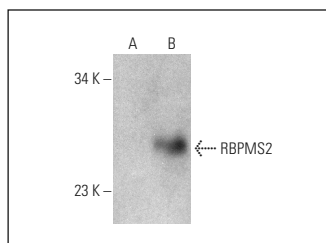
Molecular Weight of RBPMS2 isoforms: 24/22/17/16 kDa.

Positive Controls: RBPMS2 (m): 293T Lysate: sc-123026.

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.

DATA



RBPMS2 (C-16): sc-248386. Western blot analysis of RBPMS2 expression in non-transfected: sc-117752 (A) and mouse RBPMS2 transfected: sc-123026 (B) 293T whole cell lysates.

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.