

RBPMS (P-12): sc-86816



The Power to Question

BACKGROUND

RBPMS (RNA binding protein with multiple splicing), also known as HERMES, is a 196 amino acid protein that contains one RRM (RNA recognition motif) domain and belongs to the RRM family of RNA-binding proteins. Expressed ubiquitously, RBPMS exists as multiple alternatively spliced isoforms and is thought to bind RNA, possibly playing a role in RNA-related events, such as transcription and translation. The gene encoding RBPMS maps to human chromosome 8, which consists of nearly 146 million base pairs, houses more than 800 genes and is associated with a variety of diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and lymphomas are thought to occur as a result of defects in specific genes that map to chromosome 8.

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CHROMOSOMAL LOCATION

Genetic locus: RBPMS (human) mapping to 8p12; Rbpms (mouse) mapping to 8 A4.

SOURCE

RBPMS (P-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of RBPMS 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-86816 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

RBPMS (P-12) is recommended for detection of RBPMS 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).

Suitable for use as control antibody for RBPMS siRNA (h): sc-77460, RBPMS siRNA (m): sc-152764, RBPMS shRNA Plasmid (h): sc-77460-SH, RBPMS shRNA Plasmid (m): sc-152764-SH, RBPMS shRNA (h) Lentiviral Particles: sc-77460-V and RBPMS shRNA (m) Lentiviral Particles: sc-152764-V.

Molecular Weight of RBPMS isoforms: 24/22/17/16 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.