# RBMS1 (m2): 293T Lysate: sc-127457



The Power to Question

#### **BACKGROUND**

RBMS1 (RNA binding motif, single stranded interacting protein 1), also known as YC1, MSSP (c-Myc single strand binding protein), SCR2 (suppressor of Cdc2 with RNA binding motif), MSSP-1, MSSP-2 or MSSP-3, is a member of the MSSP family of proteins. The MSSP family is comprised of proteins that bind to single stranded DNA/RNA. Through an interaction with the c-Myc protein, members of this family are involved in a wide variety of cellular functions, including gene transcription, DNA replication, apoptosis and cell cycle progression. RBMS1, a nuclear localized protein, is expressed in lung, placenta and heart with highest expression levels during the  $\rm G_1$  to S transition phase of the cell cycle. RBMS1 contains two RNP domains, namely RNP1-A and RNP1-B, both of which are necessary for DNA binding. RBMS1 specifically binds to a catalytic subunit of DNA polymerase (pol)  $\alpha$  and stimulates its activity in vitro. Due to alternative splicing events, various isoforms exist for RBMS1.

## **REFERENCES**

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# CHROMOSOMAL LOCATION

Genetic locus: Rbms1 (mouse) mapping to 2 C1.2.

## **PRODUCT**

RBMS1 (m2): 293T Lysate represents a lysate of mouse RBMS1 transfected 293T cells and is provided as 100  $\mu g$  protein in 200  $\mu l$  SDS-PAGE buffer.

#### **APPLICATIONS**

RBMS1 (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive RBMS1 antibodies. Recommended use: 10-20 µl per lane.

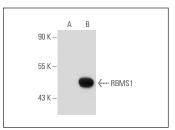
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

RBMS1 (73-K2): sc-101190 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse RBMS1 expression in RBMS1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## **RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgG $\kappa$  BP-HRP: sc-516102 or m-lgG $\kappa$  BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker<sup>TM</sup> Molecular Weight Standards: sc-2035, UltraCruz<sup>®</sup> Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

#### **DATA**



RBMS1 (73-K2): sc-101190. Western blot analysis of RBMS1 expression in non-transfected: sc-117752 (**A**) and mouse RBMS1 transfected: sc-127457 (**B**) 293T whole cell Ivsates.

## **STORAGE**

Store at -20 $^{\circ}$  C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. 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 for detailed protocols and support products.

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