

### **RBMS1 Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP17208c

### Specification

## **RBMS1** Antibody (Center) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW Antigen Region WB,E <u>P29558</u> <u>NP\_002888.1</u>, <u>NP\_058520.1</u> Human Rabbit Polyclonal Rabbit IgG 44505 224-252

## **RBMS1** Antibody (Center) - Additional Information

### Gene ID 5937

#### **Other Names**

RNA-binding motif, single-stranded-interacting protein 1, Single-stranded DNA-binding protein MSSP-1, Suppressor of CDC2 with RNA-binding motif 2, RBMS1, C2orf12, MSSP, MSSP1, SCR2

### Target/Specificity

This RBMS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 224-252 amino acids from the Central region of human RBMS1.

Dilution WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

RBMS1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## **RBMS1** Antibody (Center) - Protein Information

Name RBMS1

Synonyms C2orf12, MSSP, MSSP1, SCR2



**Function** Single-stranded DNA binding protein that interacts with the region upstream of the MYC gene. Binds specifically to the DNA sequence motif 5'-[AT]CT[AT][AT]T-3'. Probably has a role in DNA replication.

Cellular Location Nucleus.

Tissue Location

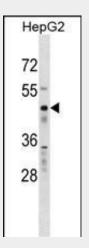
Highest amounts are found in placenta, lung and heart

# **RBMS1 Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## **RBMS1** Antibody (Center) - Images



RBMS1 Antibody (Center) (Cat. #AP17208c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the RBMS1 antibody detected the RBMS1 protein (arrow).

# **RBMS1 Antibody (Center) - Background**

This gene encodes a member of a small family of proteins which bind single stranded DNA/RNA. These proteins are characterized by the presence of two sets of ribonucleoprotein consensus sequence (RNP-CS) that contain conserved motifs, RNP1 and RNP2, originally described in RNA binding proteins, and required for DNA binding. These proteins have been implicated in such diverse functions as DNA replication, gene transcription, cell cycle progression and apoptosis. Several transcript variants, resulting from alternative splicing and encoding different isoforms, have been described. A pseudogene for this locus is found



on chromosome 12.

## **RBMS1 Antibody (Center) - References**

Qi, L., et al. Hum. Mol. Genet. 19(13):2706-2715(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Landers, J.E., et al. Proc. Natl. Acad. Sci. U.S.A. 106(22):9004-9009(2009) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Lamesch, P., et al. Genomics 89(3):307-315(2007)