

For Research Use Only

# RBMS1 Recombinant antibody

Catalog Number: 83623-5-RR



## Basic Information

<b>Catalog Number:</b> 83623-5-RR	<b>GenBank Accession Number:</b> BC018951	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5937	<b>CloneNo.:</b> 240677D6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P29558	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> RNA binding motif, single stranded interacting protein 1	
<b>Immunogen Catalog Number:</b> AG1493	<b>Calculated MW:</b> 45 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HeLa cells, HEK-293 cells, HepG2 cells, DU145 cells

## Background Information

RBMS1 (RNA binding motif single stranded interacting protein 1), also known as C2orf12. It is expected to be located in the nucleus, which is ubiquitinated in placenta and endometrium. Highest amounts are found in placenta, lung and heart. 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. The molecular weight of RBMS1 is 45 kDa.

## Storage

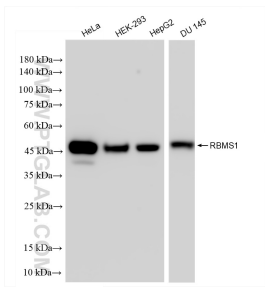
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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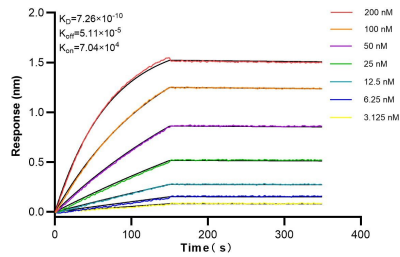
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83623-5-RR (RBMS1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug RBMS1 Recombinant antibody (83623-5-RR, Clone:240677D6) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83623-5-RR against Human RBMS1 were performed. The affinity constant is 0.726 nM.