

Product Datasheet

RBMS2 Antibody / SCR3 (orb2637051)

Description	RBMS2 is a member of a small family of proteins that bind single stranded DNA or RNA. These proteins are characterized by the presence of two sets of ribonucleoprotein consensus sequence (RNP-CS) that contain conserved motifs, RNP1 and RNP2, and are required for DNA binding. The RBMS proteins have been implicated in such diverse functions as DNA replication, gene transcription, cell cycle progression and apoptosis. RBMS2 (RNA-binding motif, single-stranded-interacting protein 2) is a 407 amino acid protein that contains 2 RRM (RNA recognition motif) domains and localizes to nucleus. It has been suggested that RBMS2 suppresses Cdc2 kinase and Cdc13 cyclin mutants through the induction of translation of Cdc2. The RBMS2 gene is conserved in chimpanzee, canine, bovine, mouse, rat and zebrafish, and maps to human chromosome 12q13.3.
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	ELISA, FACS, IP
Immunogen	Recombinant full-length human RBMS2 protein was used as the immunogen for the RBMS2 antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced), 0.05% sodium azide
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.
Note	For research use only
Application notes	Optimal dilution of the RBMS2 antibody should be determined by the researcher.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Isotype	Mouse IgG1
Clonality	Monoclonal

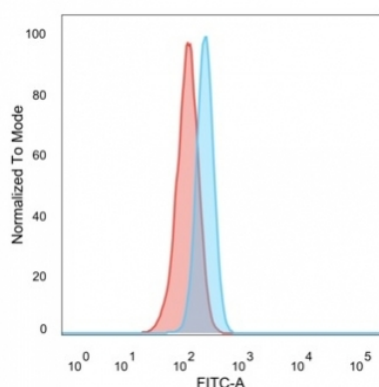
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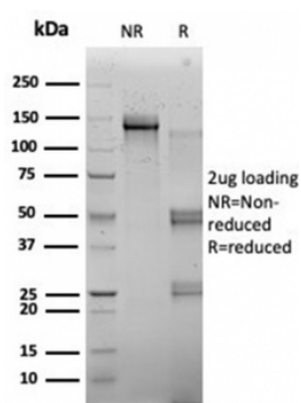
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Clone Number	PCRP-RBMS2-1B6
Antibody Type	Primary Antibody
Purity	Protein A/G affinity
Uniprot ID	Q15434
Hazard Information	This RBMS2 antibody is available for research use only.
Dilution Range	ELISA (For coating, order BSA-free format),Immunoprecipitation: 1-2ug per 100-500ug of total protein (1ml of cell lysate),Flow cytometry: 1-2ug/million cells
Expiration Date	12 months from date of receipt.



FACS staining of PFA-fixed human HeLa cells with RBMS2 antibody (blue, clone PCRP-RBMS2-1B6) and isotype control (red).



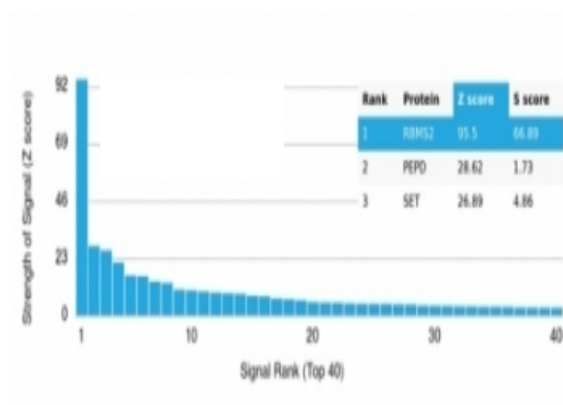
SDS-PAGE analysis of purified, BSA-free RBMS2 antibody (PCRP-RBMS2-1B6) as confirmation of integrity and purity.

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Analysis of HuProt (TM) microarray containing more than 19000 full-length human proteins using RBMS2 antibody (clone PCRP-RBMS2-1B6). These results demonstrate the foremost specificity of the PCRP-RBMS2-1B6 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt (TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

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