Product Datasheet

PRMT7 Antibody (orb2634893)

Catalog Number	orb2634893
Category	Antibodies
Description	Arginine methylation is an irreversible protein modification catalyzed by Arginine methyltransferases, such as PRMT7, which uses S-adenosylmethionine (AdoMet) as the methyl donor. Arginine methylation is implicated in signal transduction, RNA transport and RNA splicing. PRMT7 has two methyltransferase domains, each containing a putative AdoMet-binding motif. The N-terminal methyltransferase domain closely resembles the catalytic core of PRMT5, and the C-terminal domain is most similar to that of PRMT1. Three PRMT7 splice variants have been identified by database analysis. PRMT7 is localized to the nucleus and cytoplasm and moderate expression is observed in adult brain and lung tissues.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin, 0.05% sodium azide
Purification	Protein A/G affinity
Immunogen	Recombinant full-length human protein was used as the immunogen for the PRMT7 antibody.
UniProt ID	Q9NVM4
Tested applications	FACS, IF

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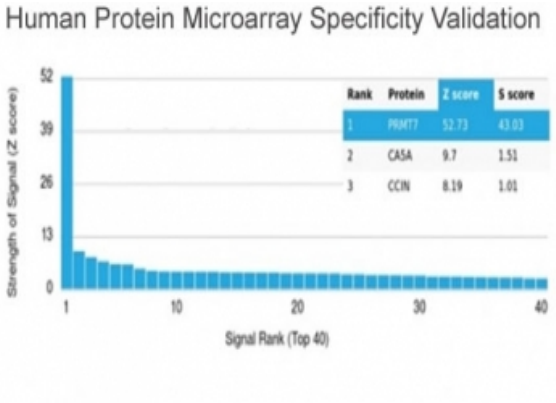
Dilution range	Flow cytometry: 1-2ug/million cells,Immunofluorescence: 1-2ug/ml
Application notes	Optimal dilution of the PRMT7 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	PCRP-PRMT7-1A4
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Analysis of HuProt (TM) microarray containing more than 19000 full-length human proteins using PRMT7 antibody (clone PCRP-PRMT7-1A4). These results demonstrate the foremost specificity of the PCRP-PRMT7-1A4 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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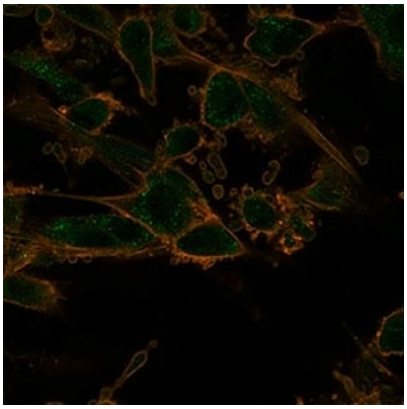
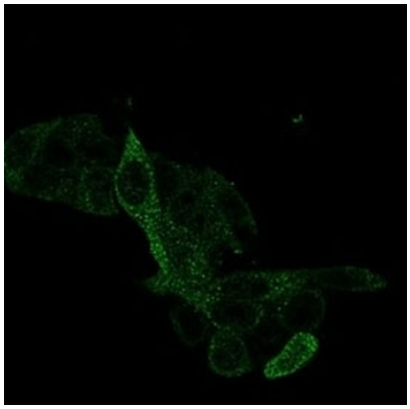
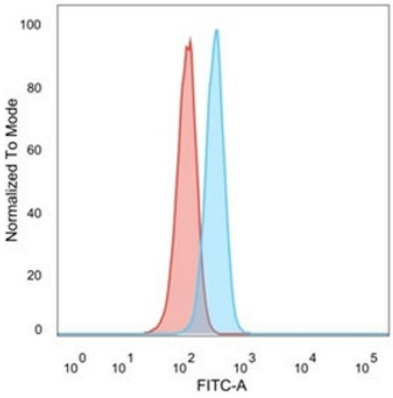


Immunofluorescent staining of PFA-fixed human U-87 cells using PRMT7 antibody (green, clone PCRP-PRMT7-1A4) and phalloidin (red).



Immunofluorescent staining of PFA-fixed human HeLa cells using PRMT7 antibody (green, clone PCRP-PRMT7-1A4).



FACS staining of PFA-fixed human HeLa cells with PRMT7 antibody (blue, clone PCRP-PRMT7-1A4), and unstained cells (red).

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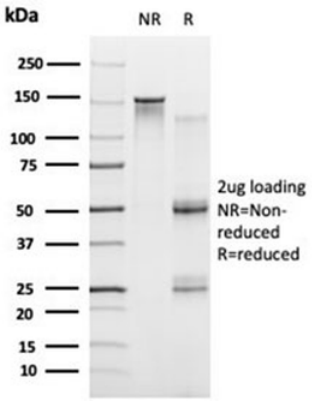

SDS-PAGE analysis of purified, BSA-free PRMT7 antibody (clone PCRP-PRMT7-1A4) as confirmation of integrity and purity.

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