

Mouse PRMT6 Monoclonal Antibody | anti-PRMT6 antibody

PRMT6 Mouse Monoclonal Antibody [Clone PCRP-PRMT6-2C9]

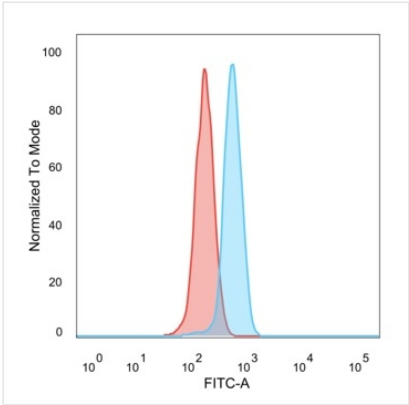
CATALOG # AAA215846	HOST Mouse	REACTIVITY Human Predicted to react with Rat.	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

PRMT6; Monoclonal Antibody; PRMT6 Mouse Monoclonal Antibody [Clone PCRP-PRMT6-2C9]; Chromobox protein homolog 7; Heterogeneous nuclear ribonucleoprotein methyltransferase like protein 6; Histone-arginine N-methyltransferase PRMT6; HMT1 hnRNP methyltransferase like 6. ; HRMT1L6; anti-PRMT6 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Predicted to react with Rat.
Clonality	Monoclonal
Isotype	Mouse/IgG2b
Clone Number	PCRP-PRMT6-2C9
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-PRMT6 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human PRMT6 protein
Cellular Localization	Nucleus
Positive Control	HeLa or HepG2 cells.
Hu-chromosome Location	1p13.3
Unigene	26006
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.



FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of PFA-fixed HeLa cells. PRMT6 Mouse Monoclonal Antibody (PCRP-PRMT6-2C9) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

ADDITIONAL INFORMATION

Related Product Information for anti-PRMT6 antibody	A class of proteins termed type 1 protein arginine N-methyltransferase (PRMT) enzymes contribute to posttranslational modification of RNA-binding proteins, but differ in substrate specificities, oligomerization properties and subcellular localization. PRMTs contain an S-adenosylmethione motif which functions to add one or two methyl groups to guanidino nitrogens of arginine (R) side chains. PRMT6, also known as HRMT1L6, is a nuclear protein belonging to the PRMT family and is predominantly expressed in testis and kidney. It is known to methylate Histones H3, H4 and H2A. PRMT6 is the major dimethyltransferase for Histone H3 and specifically methylates Histone H3 at R2. Methylation at Histone H3 R2 acts to inhibit Histone H3 K4 trimethylation and ultimately leads to the transcriptional repression of genes that are activated by Histone H3 K4 trimethylation. In addition, PRMT6 methylates HIV TAT, possibly functioning as a form of cellular innate immunity to restrict levels of HIV replication.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20137409
NCBI GeneID	55170
UniProt Accession #	Q96LA8; Q5T5Y5; Q6DKI4; Q9NVR8; A3KME1; B4DID8
Molecular Weight	375
NCBI Official Full Name	Protein arginine N-methyltransferase 6
NCBI Official Synonym Full Names	protein arginine methyltransferase 6
NCBI Official Symbol	PRMT6
NCBI Official Synonym Symbols	HRMT1L6
NCBI Protein Information	protein arginine N-methyltransferase 6; HMT1 hnRNP methyltransferase-like 6; histone-arginine N-methyltransferase PRMT6; heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 6
UniProt Protein Name	Protein arginine N-methyltransferase 6
UniProt Gene Name	PRMT6
UniProt Synonym Gene Names	HRMT1L6
UniProt Entry Name	ANM6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.