

Rabbit PRMT4 Polyclonal Antibody | anti-CARM1 antibody

PRMT4 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284794	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

PRMT4; Polyclonal Antibody; PRMT4 Antibody (Center); Histone-arginine methyltransferase CARM1; 211-; Coactivator-associated arginine methyltransferase 1; Protein arginine N-methyltransferase 4; CARM1; anti-CARM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PRMT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 346-377 amino acids from the Central region of human PRMT4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	346-377
Sequence Length	384
Applicable Applications for anti-CARM1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

PRMT4 Antibody(Center) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

PRMT4 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PRMT4 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

PRMT4 Antibody(Center) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the PRMT4 antibody detected the PRMT4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CARM1 antibody	Protein arginine N-methyltransferases, such as CARM1, catalyze the transfer of a methyl group from S-adenosyl-L-methionine to the side chain nitrogens of arginine residues within proteins to form methylated arginine derivatives and S-adenosyl-L-homocysteine. Protein arginine methylation has been implicated in signal transduction, metabolism of nascent pre-RNA, and transcriptional activation (Frankel et al., 2002 [PubMed 11724789]).
Product Categories/Family for anti-CARM1 antibody	Cancer ; Cell Biology ; Metabolism ; Signal transduction
References	Gao, X., et al. J. Cell. Biochem. 110(1):162-170(2010) Carascossa, S., et al. Genes Dev. 24(7):708-719(2010) Kim, Y.R., et al. BMC Cancer 10, 197 (2010) : Ito, T., et al. BMC Dev. Biol. 9, 47 (2009) : Haiman, C.A., et al. BMC Cancer 9, 43 (2009) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	40288288
NCBI GeneID	10498
NCBI Accession #	NP_954592.1
NCBI GenBank Nucleotide #	NM_199141.1
UniProt Accession #	Q86X55 ; A6NN38
Molecular Weight	65854
NCBI Official Full Name	histone-arginine methyltransferase CARM1
NCBI Official Synonym Full Names	coactivator-associated arginine methyltransferase 1
NCBI Official Symbol	CARM1
NCBI Official Synonym Symbols	PRMT4
NCBI Protein Information	histone-arginine methyltransferase CARM1
UniProt Protein Name	Histone-arginine methyltransferase CARM1
UniProt Gene Name	CARM1
UniProt Synonym Gene Names	PRMT4
UniProt Entry Name	CARM1_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.