

Product datasheet for **AP53448PU-N**

PRMT4 (CARM1) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100 - 1/500. Immunohistochemistry on paraffin sections: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide selected from the Central region of human PRMT4
Specificity:	This antibody reacts to PRMT4.
Formulation:	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. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	65854 Da
Gene Name:	coactivator associated arginine methyltransferase 1
Database Link:	Entrez Gene 10498 Human Q86X55



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Background:

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]).

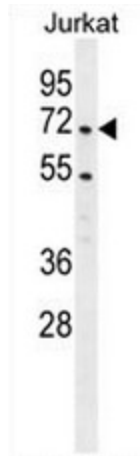
Synonyms:

PRMT4

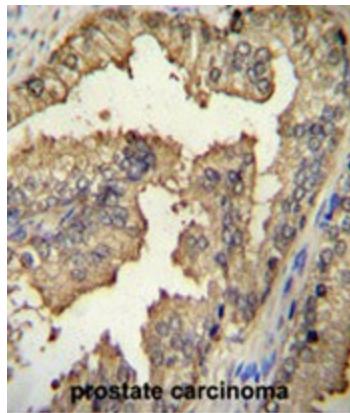
Protein Families:

Druggable Genome, Transcription Factors

Product images:



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



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.