

Rabbit anti-Human, Rat PRMT2 Polyclonal Antibody | anti-PRMT2 antibody

PRMT2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198580	Rabbit	Human, Rat	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation

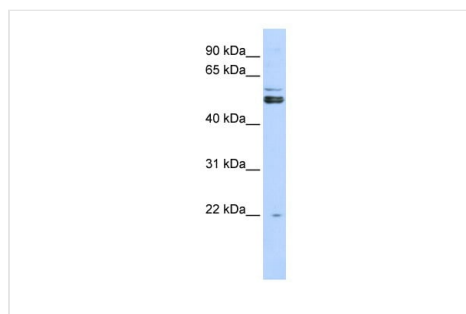
PRODUCT SYNONYMS

PRMT2; Polyclonal Antibody; PRMT2 antibody - N-terminal region; anti-PRMT2 antibody

PRODUCT SPECIFICATIONS

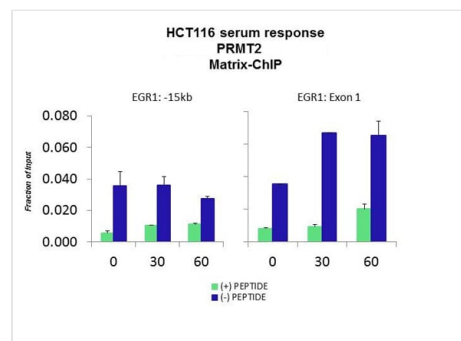
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: ER AGCCGYIPAN HVGKHKVDEYD PEDTWQDEEY FGSYGTLKLH LEMLADQP
Sequence Length	433
Applicable Applications for anti-PRMT2 antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation)
Homology	Human: 100%; Rat: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PRMT2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-PRMT2 Antibody Titration: 0.2-1 ug/mL
 ELISA Titer: 1:1562500
 Positive Control: 293T cell lysate
 PRMT2 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells



ChIP (Chromatin Immunoprecipitation)

Quiescent human colon carcinoma HCT116 cultures were treated with 10% FBS for three time points (0, 15, 30min) or (0, 30, 60min) were used in Matrix-ChIP and real-time PCR assays at EGR1 gene (Exon1) and 15kb upstream site.

ADDITIONAL INFORMATION

Related Product Information for anti-PRMT2 antibody	This is a rabbit polyclonal antibody against PRMT2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: The protein arginine methyltransferases (PRMTs) include a family of proteins with related putative methyltransferase domains that modify chromatin and regulate cellular transcription. PRMT2 inhibits NF-kappaB-dependent transcription and promotes apoptosis and it exerts this effect by blocking nuclear export of IkappaB-alpha through a leptomycin-sensitive pathway, increasing nuclear IkappaB-alpha and decreasing NF-kappaB DNA binding. PRMT2 also rendered cells susceptible to apoptosis by cytokines or cytotoxic drugs, likely due to its effects on NF-kappaB.
Product Categories/Family for anti-PRMT2 antibody	Polyclonal; Transcription Regulation; Chromatin & Nuclear Signaling; Signal Transduction; Various; Epigenetics; Apoptosis; DNA/RNA/Protein Interactions; Methylation; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	46255047
NCBI GeneID	3275
NCBI Accession #	NP_001526
NCBI GenBank Nucleotide #	NM_001535
UniProt Accession #	P55345
Molecular Weight	49kDa
NCBI Official Full Name	protein arginine N-methyltransferase 2 isoform 1
NCBI Official Synonym Full Names	protein arginine methyltransferase 2
NCBI Official Symbol	PRMT2
NCBI Official Synonym Symbols	HRMT1L1
NCBI Protein Information	protein arginine N-methyltransferase 2
UniProt Protein Name	Protein arginine N-methyltransferase 2
UniProt Gene Name	PRMT2
UniProt Synonym Gene Names	HMT1; HRMT1L1
UniProt Entry Name	ANM2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prmt2-antibody-western-blot-chromatin-immunoprecipitation-elisa/198580>