

Datasheet for ABIN7165081  
**anti-PRMT6 antibody (AA 119-375) (HRP)**



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## Overview

Quantity:	100 µg
Target:	PRMT6
Binding Specificity:	AA 119-375
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRMT6 antibody is conjugated to HRP
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Protein arginine N-methyltransferase 6 protein (119-375AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	PRMT6
Alternative Name:	PRMT6 ( <a href="#">PRMT6 Products</a> )
Background:	Background: Arginine methyltransferase that can catalyze the formation of both omega-N monomethylarginine (MMA) and asymmetrical dimethylarginine (aDMA), with a strong

## Target Details

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preference for the formation of aDMA. Preferentially methylates arginyl residues present in a glycine and arginine-rich domain and displays preference for monomethylated substrates. Specifically mediates the asymmetric dimethylation of histone H3 Arg-2 to form H3R2me2a. H3R2me2a represents a specific tag for epigenetic transcriptional repression and is mutually exclusive with methylation on histone H3 Lys-4 (H3K4me2 and H3K4me3). Acts as a transcriptional repressor of various genes such as H0XA2, THBS1 and TP53. Repression of TP53 blocks cellular senescence (By similarity). Also methylates histone H2A and H4 Arg-3 (H2AR3me and H4R3me, respectively). Acts as a regulator of DNA base excision during DNA repair by mediating the methylation of DNA polymerase beta (POLB), leading to the stimulation of its polymerase activity by enhancing DNA binding and processivity. Methylates HMGA1. Regulates alternative splicing events. Acts as a transcriptional coactivator of a number of steroid hormone receptors including ESR1, ESR2, PGR and NR3C1. Promotes fasting-induced transcriptional activation of the gluconeogenic program through methylation of the CRT2 transcription coactivator. May play a role in innate immunity against HIV-1 in case of infection by methylating and impairing the function of various HIV-1 proteins such as Tat, Rev and Nucleocapsid protein p7 (NC).

Aliases: ANM6\_HUMAN antibody, Chromobox protein homolog 7 antibody, FLJ10559 antibody, FLJ51477 antibody, Heterogeneous nuclear ribonucleoprotein methyltransferase like protein 6 antibody, Heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 6 antibody, Histone-arginine N-methyltransferase PRMT6 antibody, HMT1 hnRNP methyltransferase like 6. antibody, HRMT1L6 antibody, OTTHUMP00000012633 antibody, PRMT 6 antibody, prmt6 antibody, Protein arginine methyltransferase 6 antibody, Protein arginine N methyltransferase 6 antibody, Protein arginine N-methyltransferase 6 antibody

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UniProt: [Q96LA8](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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## Handling

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Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.