

Datasheet for ABIN7165064  
**anti-PRMT1 antibody (AA 20-353)**[Go to Product page](#)

## 1 Image

## Overview

|                      |                                      |
|----------------------|--------------------------------------|
| Quantity:            | 100 µL                               |
| Target:              | PRMT1                                |
| Binding Specificity: | AA 20-353                            |
| Reactivity:          | Human                                |
| Host:                | Rabbit                               |
| Clonality:           | Polyclonal                           |
| Conjugate:           | This PRMT1 antibody is un-conjugated |
| Application:         | ELISA, Immunohistochemistry (IHC)    |

## Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant Human Protein arginine N-methyltransferase 1 protein (20-353AA) |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human   |
| Purification:     | Antigen Affinity Purified   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | PRMT1   |
| Alternative Name: | PRMT1 ( <a href="#">PRMT1 Products</a> )  |
| Background:       | Background: Arginine methyltransferase that methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues present in proteins such as ESR1, histone H2, H3 |

## Target Details

and H4, PIAS1, HNRNPA1, HNRNPD, NFATC2IP, SUPT5H, TAF15 and EWS. Constitutes the main enzyme that mediates monomethylation and asymmetric dimethylation of histone H4 Arg-4 (H4R3me1 and H4R3me2a, respectively), a specific tag for epigenetic transcriptional activation. Together with dimethylated PIAS1, represses STAT1 transcriptional activity, in the late phase of interferon gamma (IFN-gamma) signaling. May be involved in the regulation of TAF15 transcriptional activity, act as an activator of estrogen receptor (ER)-mediated transactivation, play a key role in neurite outgrowth and act as a negative regulator of megakaryocytic differentiation, by modulating p38 MAPK pathway. Methylates FOXO1 and retains it in the nucleus increasing its transcriptional activity.

Aliases: ANM 1 antibody, ANM1 antibody, ANM1\_HUMAN antibody, HCP 1 antibody, HCP1 antibody, Heterogeneous nuclear ribonucleoprotein methyltransferase 1 like 2 antibody, Heterogeneous nuclear ribonucleoproteins methyltransferase like 2 antibody, Heterogeneous nuclear ribonucleoproteins methyltransferase like2 antibody, Histone-arginine N-methyltransferase PRMT1 antibody, HMT 2 antibody, HMT1 (hnRNP methyltransferase S. cerevisiae) like 2 antibody, HMT1 hnRNP methyltransferase antibody, HMT1 hnRNP methyltransferase like 2 (S. cerevisiae) antibody, HMT1 hnRNP methyltransferase like 2 antibody, HMT2 antibody, HRMT1 L2 antibody, HRMT1L 2 antibody, HRMT1L2 antibody, Human mRNA for suppressor for yeast mutant antibody, Human mRNA for suppressor for yeast mutant complete cds antibody, Interferon receptor 1 bound protein 4 antibody, Interferon receptor 1 bound protein4 antibody, Interferon receptor 1-bound protein 4 antibody, Interferon receptor 1bound protein 4 antibody, IR1 B4 antibody, IR1B 4 antibody, IR1B4 antibody, Mrmt 1 antibody, Mrmt1 antibody, PRMT 1 antibody, PRMT1 antibody, Protein arginine methyltransferase 1 antibody, Protein arginine N methyltransferase 1 antibody, Protein arginine N methyltransferase1 antibody, Protein arginine N-methyltransferase 1 antibody, R1B4 antibody, S. cerevisiae like 2 antibody

UniProt: [Q99873](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

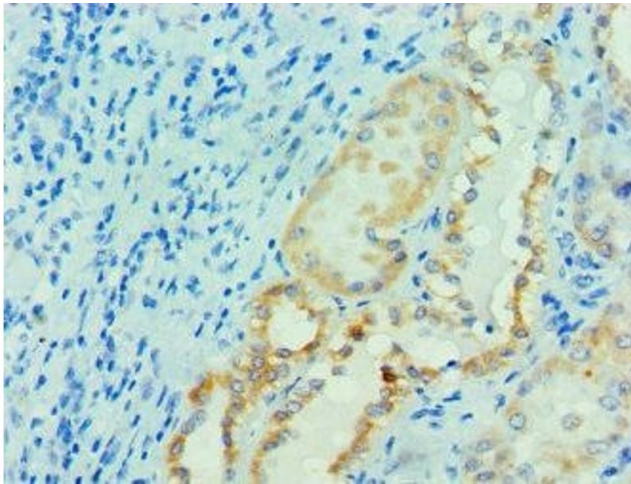
Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

## Handling

|                    |  |
|--------------------|--|
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: 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.  |

## Images



### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7165064 at dilution of 1:100