

Datasheet for ABIN7165065
anti-PRMT1 antibody (AA 20-353)[Go to Product page](#)

2 Images

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:	Western Blotting (WB), 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 (PRMT1 Products)
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: WB:1:500-1:2000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

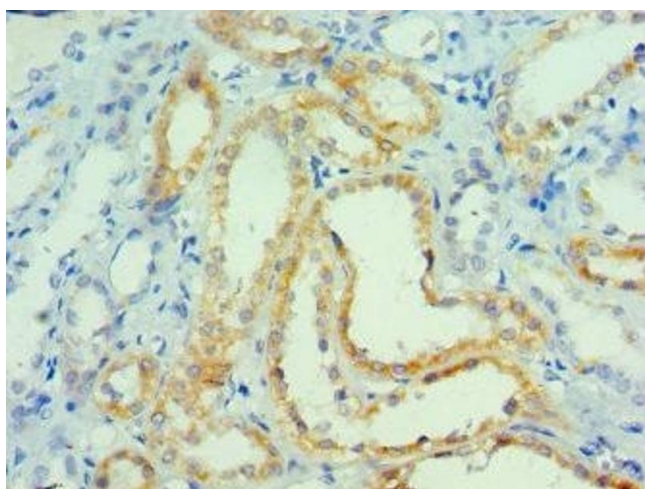
Format: Liquid

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

Handling

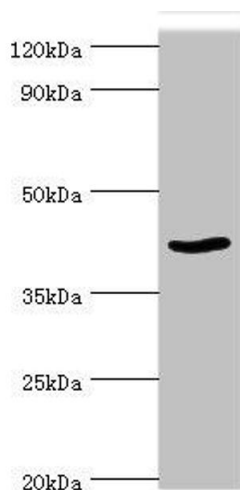
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7165065 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: Protein arginine N-methyltransferase 1 antibody at 2 µg/mL + NIH/3T3 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 42, 40, 41 kDa Observed band size: 42 kDa