

Datasheet for ABIN7165075
anti-PRMT6 antibody (AA 119-375)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	PRMT6
Binding Specificity:	AA 119-375
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRMT6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

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 (PRMT6 Products)
Background:	Background: Arginine methyltransferase that can catalyze the formation of both omega-N monomethylarginine (MMA) and asymmetrical dimethylarginine (aDMA), with a strong

Target Details

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

UniProt: [Q96LA8](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

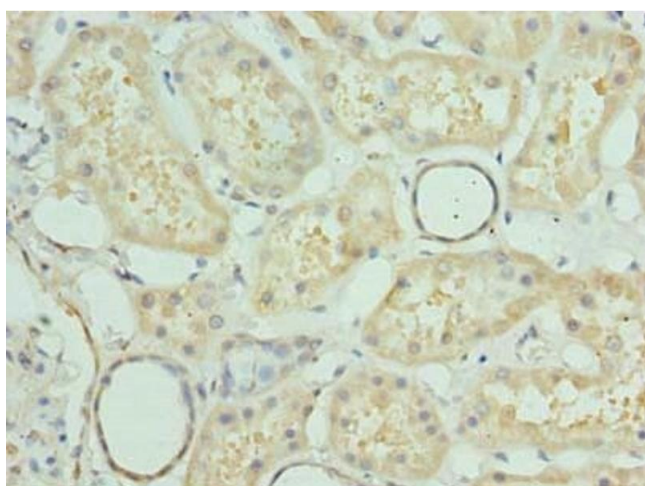
Format: Liquid

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

Handling

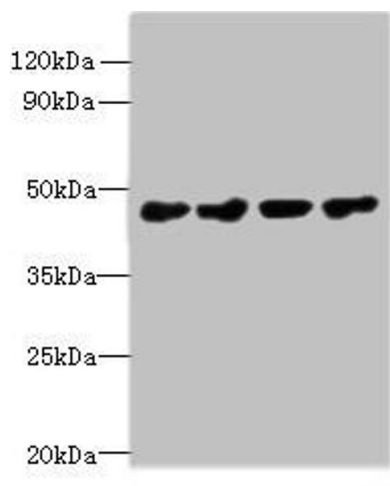
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



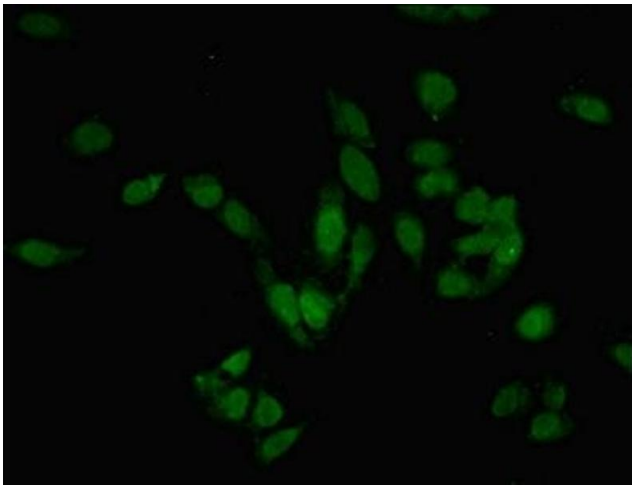
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7165075 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: PRMT6 antibody at 0.4 µg/mL Lane 1: 293T whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: A431 whole cell lysate Lane 4: K562 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 42, 33 kDa Observed band size: 42 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of Hela cells using ABIN7165075 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)