

Datasheet for ABIN3021312  
**anti-PRMT1 antibody (AA 20-353)**



[Go to Product page](#)

6 Images

Overview

Quantity:	100 µL
Target:	PRMT1
Binding Specificity:	AA 20-353
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 20-353 of human PRMT1 (NP_938074.2).
Sequence:	SSEKPNAEDM TSKDYYFDSY AHFGIHEEML KDEVRTLTYR NSMFHNRHLF KDKVLDVGS GTGILCMFAA KAGARKVIGI ECSSISDYAV KIVKANKLDH VVTIIGKVE EVELPVEKVD IIISEWMGYC LFYESMLNTV LYARDKWLAP DGLIFPDRAT LYVTAIEDRQ YKDYKIHWWWE NVYGFDMSCI KDVAIKEPLV DVVDPKQLVT NACLIIKVEDI YTVKVEDLTF TSPFCLQVKR NDYVHALVAY FNIEFTRCHK RTGFSTSPES PYTHWKQTVF YMEDYLTVKT GEEIFGTIGM RPNAKNNRDL DFTIDLDFKG QLCELSCSTD YRMR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

---

Target:	PRMT1
Alternative Name:	PRMT1 ( <a href="#">PRMT1 Products</a> )
Background:	<p>This gene encodes a member of the protein arginine N-methyltransferase (PRMT) family. Post-translational modification of target proteins by PRMTs plays an important regulatory role in many biological processes, whereby PRMTs methylate arginine residues by transferring methyl groups from S-adenosyl-L-methionine to terminal guanidino nitrogen atoms. The encoded protein is a type I PRMT and is responsible for the majority of cellular arginine methylation activity. Increased expression of this gene may play a role in many types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 5.,PRMT1,ANM1,HCP1,HRMT1L2,IR1B4,Epigenetics &amp; Nuclear Signaling,Chromatin Modifying Enzymes,Methylation,Nuclear Receptor Signaling,Cancer,Tumor suppressors,p53 pathway,Cell Biology &amp; Developmental Biology,Cell Cycle,Cell cycle inhibitors,PRMT1</p>
Molecular Weight:	39 kDa/40 kDa/41 kDa
Gene ID:	3276
UniProt:	<a href="#">Q99873</a>

## Application Details

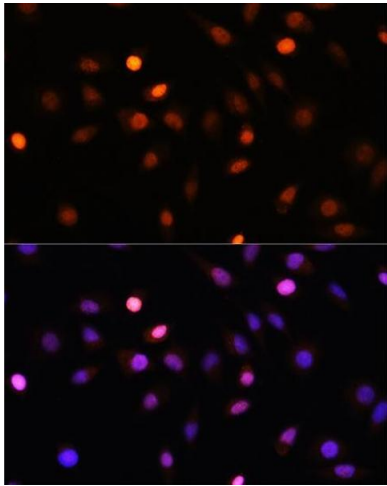
---

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

## Handling

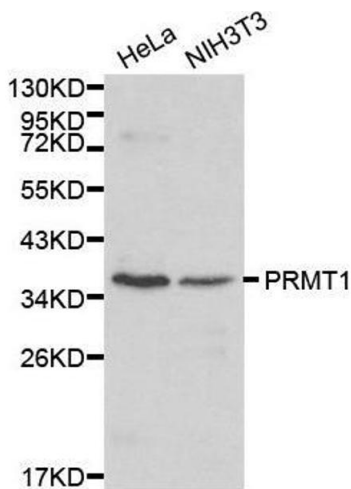
---

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



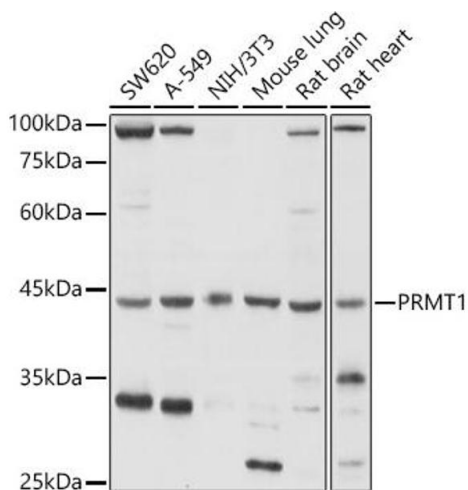
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of L929 cells using PRMT1 Rabbit pAb (ABIN3021311, ABIN3021312, ABIN3021313 and ABIN6214838) at dilution of 1:100. Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of HeLa cell and NIH3T3 cell lysate using PRMT1 antibody.



### Western Blotting

**Image 3.** Western blot analysis of extracts of various cell lines, using PRMT1 antibody (ABIN3021311, ABIN3021312, ABIN3021313 and ABIN6214838) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3021312.