

Datasheet for ABIN7269604
anti-PRMT1 antibody



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6 Images

Overview

Quantity:	100 µL
Target:	PRMT1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PRMT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	PRMT1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human PRMT1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	PRMT1
Alternative Name:	PRMT1 (PRMT1 Products)
Background:	This gene encodes a member of the protein arginine N-methyltransferase (PRMT) family. Post-

Target Details

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. [provided by RefSeq, Dec 2011],ANM1, HCP1, HRMT1L2, IR1B4,Cancer,Cell Biology & Developmental Biology,Cell Cycle,Cell Cycle_Cell cycle inhibitors,Epigenetic writers and erasers of core Histones,Epigenetic writers and erasers of core Histones_Methylation,Epigenetics & Nuclear Signaling,Nuclear Receptor Signaling,Tumor suppressors,Tumor suppressors_p53 pathway,PRMT1

Molecular Weight: 42kDa

Gene ID: 3276

UniProt: [Q99873](#)

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

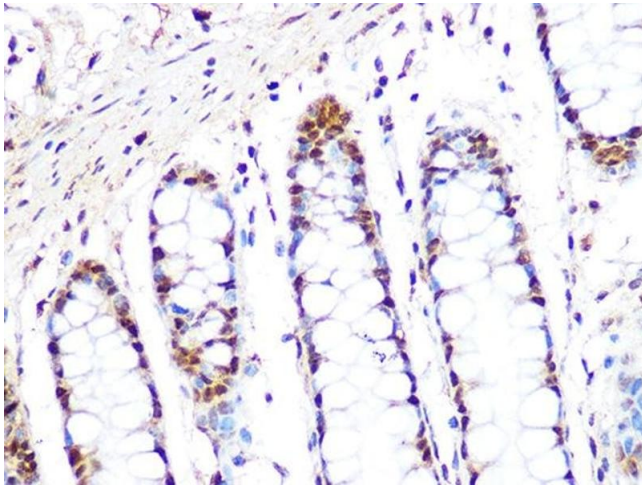
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

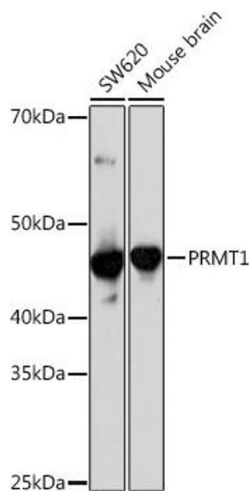
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



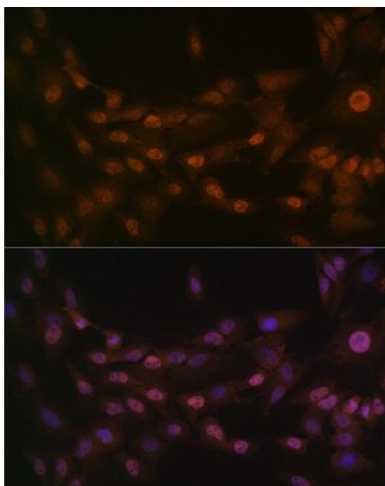
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon using PRMT1 Rabbit mAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PRMT1 Rabbit mAb 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 Enhanced Kit (RM00021). Exposure time: 3 min.



Immunofluorescence

Image 3. Immunofluorescence analysis of C6 cells using PRMT1 Rabbit mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7269604.