

## PRMT1 Rabbit mAb

Catalog No: #49531



Package Size: #49531-1 50ul #49531-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

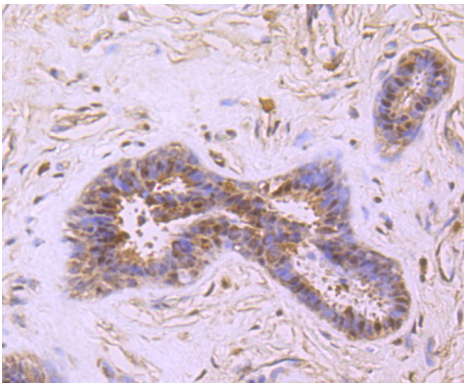
## Description

Product Name	PRMT1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JA11-17
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, CHIP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	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
Accession No.	Swiss-Prot#:Q99873
Uniprot	Q99873
GeneID	3276;
Calculated MW	42 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

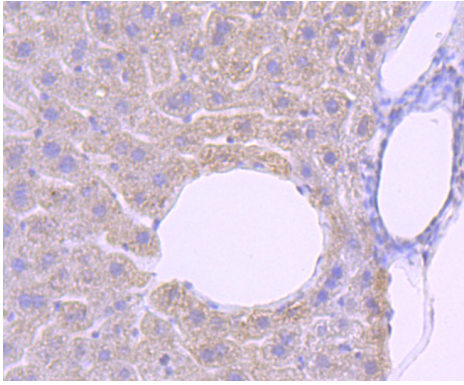
## Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200ICC: 1:100-1:500

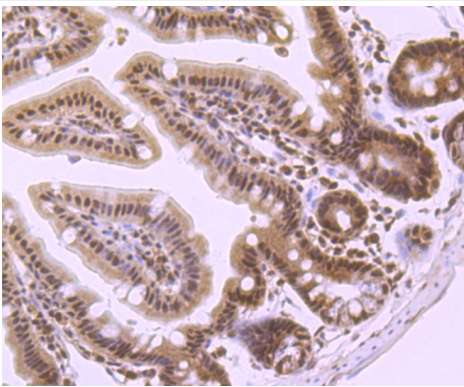
## Images



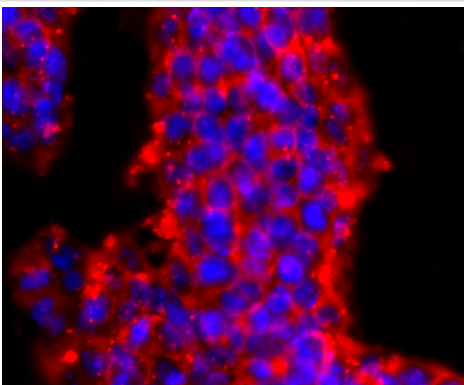
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-PRMT1 antibody. Counter stained with hematoxylin.



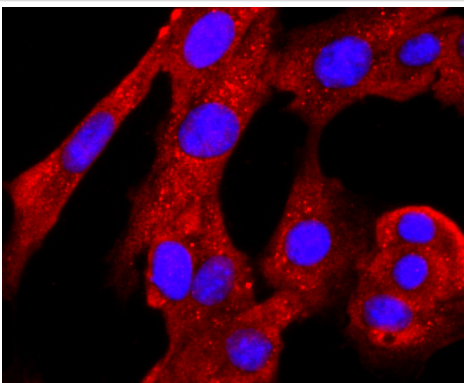
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-PRMT1 antibody. Counter stained with hematoxylin.



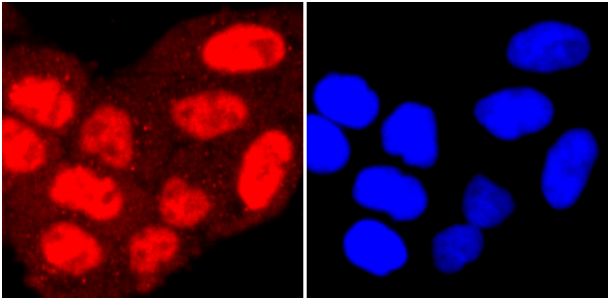
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-PRMT1 antibody. Counter stained with hematoxylin.



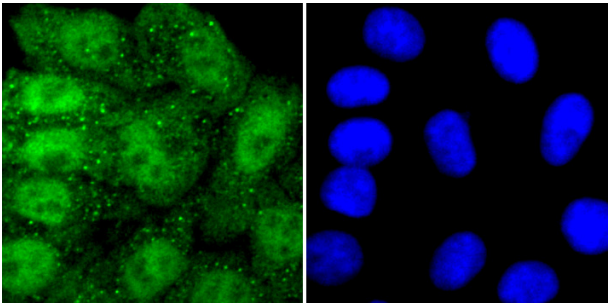
ICC staining PRMT1 in D3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



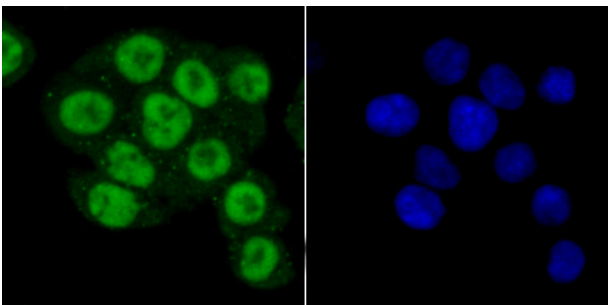
ICC staining PRMT1 in NIH-3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PRMT1 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PRMT1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PRMT1 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

A class of proteins termed type 1 protein arginine N-methyltransferase (PRMT) enzymes contribute to posttranslational modification of RNA-binding proteins, but differ in substrate specificities, oligomerization properties and subcellular localization. PRMT1, the predominant form in mammalian cells, is located in the nucleus, while PRMT3 is present in the cytoplasm. At the carboxy-terminus, interleukin enhancer-binding factor 3 (ILF3) binds PRMT1, thereby regulating PRMT1 activity. Alternative mRNA splicing of the PRMT gene results in three isoforms of PRMT1 that differ in their amino-terminus regions. All three splice variants of PRMT1 are enzymatically active. PRMT3 recognizes and binds to RNA-associated substrates with a zinc-finger domain in its amino-terminus. The zinc-liganded form of this domain is required for the enzyme to recognize RNA-associated substrates.

## References

Note: This product is for in vitro research use only