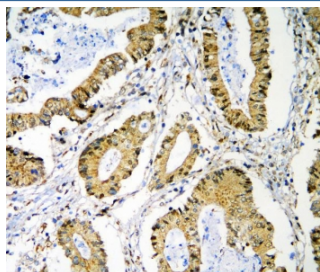


## PRMT1 Antibody (RQ5596)

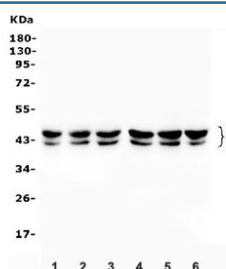
Catalog No.	Formulation	Size
RQ5596	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q99873
<b>Localization</b>	Nuclear, cytoplasmic
<b>Applications</b>	Western Blot : 0.25-0.5ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This PRMT1 antibody is available for research use only.



IHC staining of FFPE human rectal cancer with PRMT1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



Western blot testing of human 1) HEK293, 2) A549, 3) Caco-2, 4) PC-4, 5) K562 and 6) HeLa cell lysate with PRMT1 antibody. Expected molecular weight: 40-45 kDa.

## Description

Protein arginine N-methyltransferase 1 is an enzyme that in humans is encoded by the PRMT1 gene. It is mapped to 19q13.33. 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.

## Application Notes

Optimal dilution of the PRMT1 antibody should be determined by the researcher.

## Immunogen

A human recombinant protein (amino acids M11-K145) was used as the immunogen for the PRMT1 antibody.

## Storage

After reconstitution, the PRMT1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.