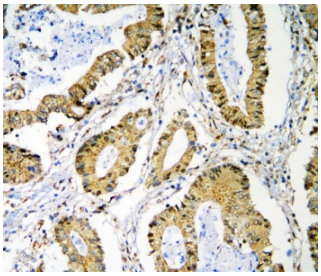
PRMT1 Antibody (RQ5596)

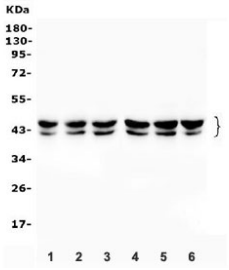
Catalog No.	Formulation	Size
RQ5596	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q99873
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.25-0.5ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	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 1is 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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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