

Datasheet for 100-401-I04**PRMT6 Antibody****Overview**

Description:	Anti-PRMT6 (RABBIT) Antibody - 100-401-I04
Item No.:	100-401-I04
Size:	200 µL
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background: Anti-PRMT6 Antibody detects human PRMT6. Protein arginine methylation is an important posttranslational modification in eukaryotic cells, which has been implicated in RNA processing and trafficking, receptor-mediated signaling, and transcription. PRMT6 was identified by searching the human genome for protein arginine N-methyltransferase (PRMT) family members. PRMT6 cDNA codes for a protein of approximate molecular weight of 42 kDa consisting of a catalytic core sequence common to other PRMT enzymes. PRMT6 demonstrates type I PRMT activity, capable of forming both >NG-monomethylarginine and asymmetric >NG,NG-dimethylarginine derivatives on the recombinant glycine- and arginine-rich substrates. A comparison of substrate specificity reveals that PRMT6 is functionally distinct from two previously characterized type I enzymes, PRMT1 and PRMT4. In addition to methylating substrate proteins, PRMT6 displays automethylation activity. GFP-fusion protein expression in the transfected cell lines suggest that PRMT6 localizes in the nucleus. Anti-PRM6 is ideal for researchers interested in NFkappaB research.

Synonyms:	HRMT1L6, Protein arginine N-methyltransferase 6, Heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 6, Histone-arginine N-methyltransferase PRMT6
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	PRMT6
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Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	PRMT6 Antibody was produced from whole rabbit serum prepared by repeated immunizations with a peptide corresponding to internal amino acids of human PRMT6 protein.
Purity/Specificity:	Anti-PRMT6 Antibody is sera. A BLAST analysis was used to suggest cross-reactivity with PRMT6 from human and mouse based on 100% homology with the immunizing sequence. Cross-reactivity with Anti-PRMT6 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q96LA8 • NCBI - NP_060607.2 • GeneID - 55170

Application Details

Tested Applications:	WB
Application Note:	Anti-PRMT6 is tested for use in WB. Expect a band approximately 42kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	1:100-1:1000

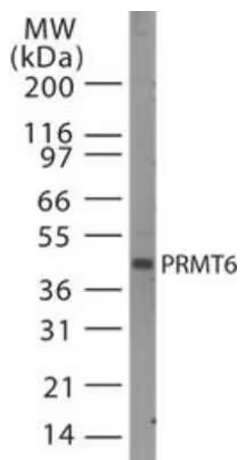
Formulation

Physical State:	Liquid
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	0.05% BSA

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot analysis of Anti-PRMT6 Antibody. Analysis of PRMT6 in HeLa lysate using PRMT6 antibody at 1:500 dilution.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.