

DATASHEET

PRMT3 Rabbit Polyclonal Antibody

CAT. NO. APA16593

KEY FEATURES

Target	PRMT3	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Protein-arginine N-methyltransferase that catalyzes both the monomethylation and asymmetric dimethylation of the guanidino nitrogens of arginine residues in target proteins, and therefore falls into the group of type I methyltransferases . Catalyzes the asymmetric arginine dimethylation at multiple sites in the Arg/Gly-rich region of small ribosomal subunit protein uS5/RPS2 . Also appears to methylate other ribosomal proteins . May regulate retinoic acid synthesis and signaling by inhibiting ALDH1A1 retinal dehydrogenase activity . Contributes to methylation of histone H4 'Arg-3', a specific tag for epigenetic transcriptional activation .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

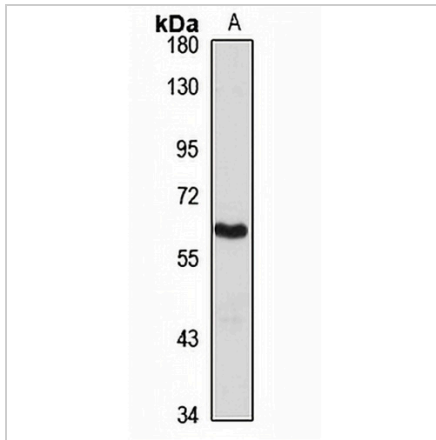
Description	Rabbit polyclonal antibody to PRMT3
Specificity	Recognizes endogenous levels of PRMT3 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PRMT3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 59 kD; Observed: 59 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	HRMT1L3; Protein arginine N-methyltransferase 3; Heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 3
Gene Symbol	PRMT3
Entrez Gene	10196(Human); 71974(Mouse)
SwissProt	O60678(Human); Q922H1(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of PRMT3 expression in mouse brain (A) whole cell lysates.
(Predicted band size: 59 kD; Observed band size: 59 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.