

PRMT7 Rabbit monoclonal antibody

Catalog: MB66380

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Protein arginine N-methyltransferase 7 (PRMT7) is a member of the protein arginine N-methyltransferase (PRMT) family of proteins that catalyze the transfer of a methyl group from S-adenosylmethionine (AdoMet) to a guanidine nitrogen of arginine. The three types of PRMTs share the ability to mono-methylate arginine residues, but vary in their ability to generate differential methylation states. Mono-methylated arginine residues are further methylated by type I PRMTs to generate an asymmetric di-methyl arginine or by type II PRMTs to form a symmetric-dimethyl arginine. Type III methyltransferases are only able to mono-methylate arginine residues. Research studies indicate that PRMT7 is a type III PRMT that displays substrate specificity for an arginine-X-arginine (RXR) motif surrounded by several basic residues. PRMT7 interacts with a wide array of protein substrates and likely plays a role in many biological processes including pluripotency, neuronal differentiation, genomic instability, snRNP biogenesis, and breast cancer metastasis.

Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

Molecular Weight:

~ 78 kDa

Swiss-Prot:

Q9NVM4

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

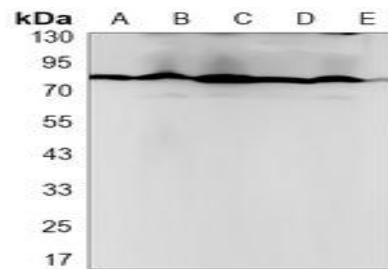
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of PRMT7 protein.

DATA:



Western blot analysis of PRMT7 expression in K562 (A), NIH3T3 (B), HeLa (C), rat muscle (D), rat pancreas (E) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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