

Datasheet for ABIN3032360  
**anti-PRMT5 antibody (AA 76-104)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	0.4 mL
Target:	PRMT5
Binding Specificity:	AA 76-104
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRMT5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	A portion of amino acids 76-104 from the human protein was used as the immunogen for this PRMT5 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine, Primate
Purification:	Antigen affinity purified

## Target Details

Target:	PRMT5
Alternative Name:	PRMT5 ( <a href="#">PRMT5 Products</a> )
Background:	Arginine methyltransferase that can both catalyze the formation of omega-N

## Target Details

monomethylarginine (MMA) and symmetrical dimethylarginine (sDMA), with a preference for the formation of MMA. Specifically mediates the symmetrical dimethylation of arginine residues in the small nuclear ribonucleoproteins Sm D1 (SNRPD1) and Sm D3 (SNRPD3), such methylation being required for the assembly and biogenesis of snRNP core particles. Methylates SUPT5H. Mono- and dimethylates arginine residues of myelin basic protein (MBP) in vitro. Plays a role in the assembly of snRNP core particles. May play a role in cytokine-activated transduction pathways. Negatively regulates cyclin E1 promoter activity and cellular proliferation. May regulate the SUPT5H transcriptional elongation properties. May be part of a pathway that is connected to a chloride current, possibly through cytoskeletal rearrangement. Methylates histone H2A and H4 'Arg-3' during germ cell development. Methylates histone H3 'Arg-8', which may repress transcription. Methylates the Piwi proteins (PIWIL1, PIWIL2 and PIWIL4), methylation of Piwi proteins being required for the interaction with Tudor domain-containing proteins and subsequent localization to the meiotic nuage. Methylates RPS10.

UniProt: [O14744](#)

Pathways: [Chromatin Binding](#), [Regulation of Muscle Cell Differentiation](#), [Ribonucleoprotein Complex Subunit Organization](#), [Skeletal Muscle Fiber Development](#)

## Application Details

Application Notes: Titration of the PRMT5 antibody may be required due to differences in protocols and secondary/substrate sensitivity. \. Western blot: 1:1000, IHC (Paraffin): 1:10-1:50

Restrictions: For Research Use only

## Handling

Format: Liquid

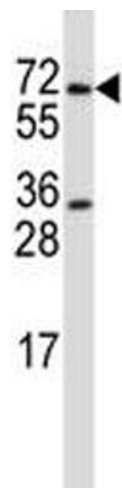
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

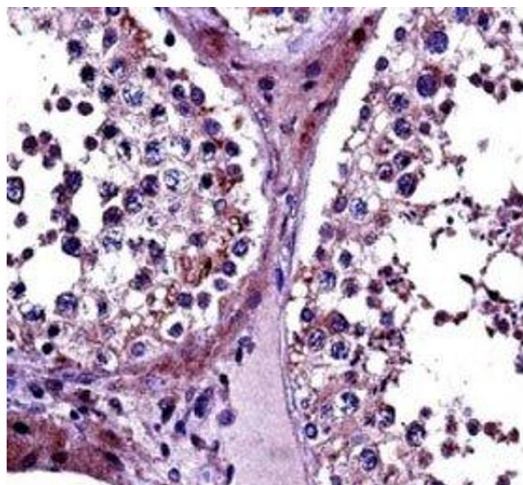
Storage: -20 °C

Storage Comment: Aliquot the PRMT5 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



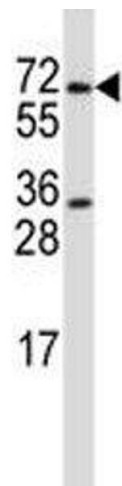
#### Western Blotting

**Image 1.** PRMT5 antibody western blot analysis in HL-60 lysate.



#### Immunohistochemistry

**Image 2.** IHC testing of PRMT5 antibody and FFPE human testis tissue.



#### Western Blotting

**Image 3.** PRMT5 antibody western blot analysis in HL-60 lysate.