

Datasheet for ABIN3032362  
**anti-PRMT5 antibody (AA 591-621)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	0.4 mL
Target:	PRMT5
Binding Specificity:	AA 591-621
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 591-621 from the human protein was used as the immunogen for this PRMT5 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Bovine, Primate
Purification:	Purified

## Target Details

Target:	PRMT5
Alternative Name:	PRMT5 ( <a href="#">PRMT5 Products</a> )
Background:	Arginine methylation is an irreversible post translational modification which has only recently

## Target Details

been linked to protein activity. At least three types of PRMT enzymes have been identified in mammalian cells. These enzymes have been shown to have essential regulatory functions by methylation of key proteins in several fundamental areas. These protein include nuclear proteins, IL enhancer binding factor, nuclear factors, cell cycle proteins, signal transduction proteins, apoptosis proteins, and viral proteins. The mammalian PRMT family currently consists of 7 members that share two large domains of homology. Outside of these domains, epitopes were identified and antibodies against all 7 PRMT members have been developed.

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): 1:50-1:100

Restrictions: For Research Use only

## Handling

Format: Liquid

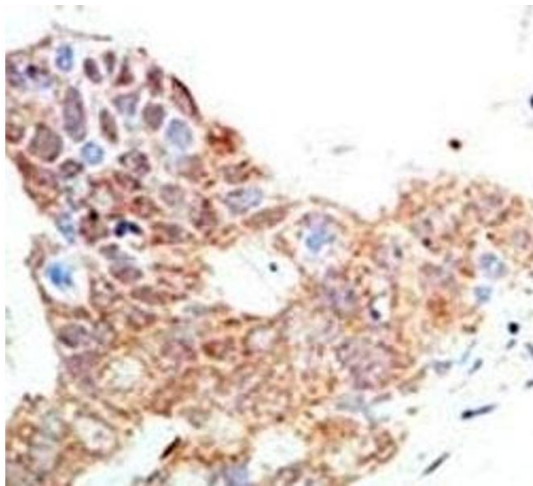
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

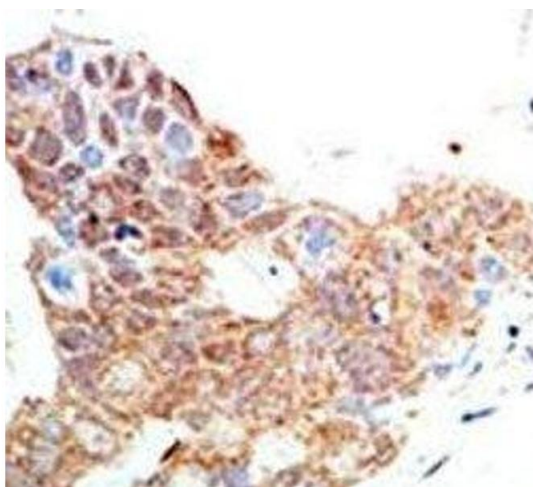
Storage: -20 °C

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



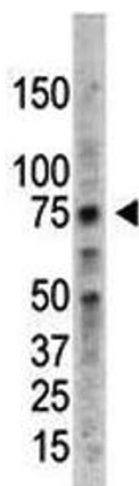
#### Immunohistochemistry

**Image 1.** IHC analysis of FFPE human breast carcinoma tissue stained with the PRMT5 antibody



#### Immunohistochemistry

**Image 2.** IHC analysis of FFPE human breast carcinoma tissue stained with the PRMT5 antibody



#### Western Blotting

**Image 3.** PRMT5 antibody used in western blot to detect PRMT5 in HL-60 cell lysate