

Datasheet for ABIN6972554  
**anti-PRMT5 antibody (N-Term)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	PRMT5
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRMT5 antibody is un-conjugated
Application:	Western Blotting (WB), ChIP DNA-Sequencing (ChIP-seq)

## Product Details

Immunogen:	This PRMT5 antibody was raised against a peptide corresponding to amino acids within the N-terminal region of human PRMT5.
Isotype:	IgG
Characteristics:	PRMT5 (Protein Arginine Methyltransferase 5, also known as JBP1, Janus Binding Protein 1) is a type II arginine methyltransferase, a protein that transfers methyl groups to the arginine residues of substrate proteins. Arginine methylation is a common post-translational modification of histones and other cellular proteins. PRMT5 symmetrically dimethylates histone H2A Arg3, H3 Arg8 and H4 Arg3. It also methylates PIWI proteins which regulate small non-coding RNAs and snRNPs, regulating snRNP core particle assembly. PRMT5 functions as a co-repressor of transcription and is recruited by a number of DNA binding proteins and transcriptional repressor complexes. It is present both in the nucleus and the cytoplasm. It also interacts with COPR5, JAK2, PRDM1 and RPS10. PRMT5 antibody (pAb) was raised in a Rabbit

## Product Details

host. It has been validated for use in ChIP-Seq and Western blot, it has been shown to react with Human samples.

Purification: Affinity Purified

## Target Details

Target: PRMT5

Alternative Name: PRMT5 ([PRMT5 Products](#))

Molecular Weight: 75 kDa

NCBI Accession: [NP\\_006100](#)

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

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

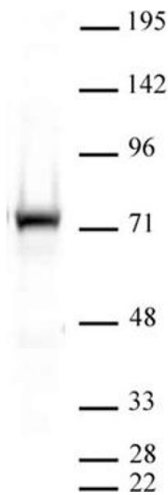
Buffer: Purified IgG in 70 mM Tris ( pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30 % glycerol and 0.035 % sodium azide.

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: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



Western Blotting

**Image 1.** Western blot of PRMT5 antibody. Cytoplasmic extract of Jurkat cells (30 µg per lane) probed with PRMT5 antibody (1:1,000).