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## anti-PRMT2 antibody (N-Term)

3 Images



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Overview		
Quantity:	400 μL	
Target:	PRMT2	
Binding Specificity:	AA 22-53, N-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This PRMT2 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Immunogen:	This PRMT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic	
	peptide between 22-53 amino acids from the N-terminal region of human PRMT2.	
Clone:	RB0027	
Isotype:	Ig Fraction	
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by	
	dialysis against PBS.	
Target Details		
Target:	PRMT2	
Alternative Name:	PRMT2 (PRMT2 Products)	

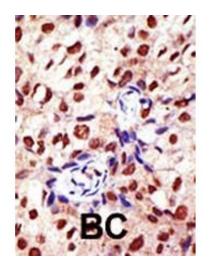
### **Target Details**

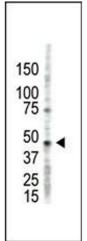
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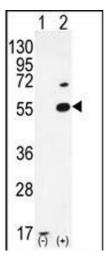
rarget Details			
Background:	Arginine methylation is an irreversible post translational modification which has only recently been linked to protein activity. At least three types of PRMT enzymes have been identified in mammalian cells. These enzymes have been shown to have essential regulatory functions 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 consist 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.		
Molecular Weight:	49042		
Gene ID:	3275		
NCBI Accession:	NP_001229793, NP_001229794, NP_001526, NP_996845		
UniProt:	P55345		
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Nuclear Hormone Receptor Binding		
Application Details			
Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C		
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small		

aliquots to prevent freeze-thaw cycles.

6 months







#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

#### **Western Blotting**

**Image 2.** The anti-PRMT2 Pab (ABIN387836 and ABIN2843929) is used in Western blot to detect PRMT2 in HL60 cell lysate.

#### **Western Blotting**

**Image 3.** Western blot analysis of PRMT2 (arrow) using rabbit polyclonal PRMT2 Antibody (A37) (ABIN387836 and ABIN2843929). 293 cell lysates (2 μg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PRMT2 gene.