

## PRMT2 Polyclonal Antibody

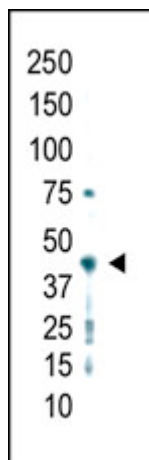
Product Specifications	
<b>Catalog Number:</b>	905-692-100
<b>Host:</b>	Rabbit
<b>Species Reactivity:</b>	Human
<b>Applications:</b> <i>The optimal dilution for a specific application must be determined by the investigator</i>	<b>WB:</b> 1:100-500 <b>ELISA:</b> 1:1,000
<b>Predicted m.w:</b>	~49 kDa
<b>Concentration:</b>	See product label
<b>Purification:</b>	Protein G Affinity
<b>Format:</b>	PBS with 0.09% sodium azide
<b>Storage:</b>	Store at -20°C
<b>Immunogen:</b>	Synthetic peptide derived from a sequence of human PRMT2, conjugated to KLH
<b>Related Products:</b>	
907-025 KAP-TF121	Methyltransferase Activity Kit Methylated Lysine Polyclonal Antibody
905-699 905-698	PRMT1 Polyclonal Antibody PRMT5 Polyclonal Antibody

### 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 proteins 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.

#### References:

1. Qi, C., *et al.* (2002) *J Biol Chem.* **277**, 28624-28630.
2. Scott, H.S., *et al.* (1998) *Genomics* **48**, 330-340.
3. Katsanis, N., *et al.* (1997) *Mamm Genome* **8**, 526-529.



Western blot analysis of PRMT2 in HL60 cell lysates