

# PRMT6 Monoclonal antibody, PBS Only

Catalog Number: 67981-1-PBS

## Basic Information

<b>Catalog Number:</b> 67981-1-PBS	<b>GenBank Accession Number:</b> BC002729	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 55170	<b>CloneNo.:</b> 4B5A9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q96LA8	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> protein arginine methyltransferase 6	
<b>Immunogen Catalog Number:</b> AG7934	<b>Calculated MW:</b> 42 kDa	
	<b>Observed MW:</b> 42 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human, Mouse, Rat

## Background Information

Protein arginine methyltransferase 6 (PRMT6) is a type I PRMT which is involved in epigenetic regulation of gene expression, alternative splicing, development and differentiation, DNA repair, cell proliferation and senescence, DNA methylation, mitosis, inflammation, innate antiviral immunity, spermatogenesis, transactivation of nuclear receptors and cell signaling. The human PRMT6 gene, located on Chromosome 1, encodes for the 41.9 kDa PRMT6 enzyme. PRMT6 is predominantly localized to the nucleus, in stark contrast to PRMT3 and PRMT5 which are preponderantly cytosolic, while other PRMTs are found in both nucleus and cytosol. PRMT6 is expressed in a wide range of tissues with high expression in kidney and testes. PRMT6 generates asymmetric dimethylation modifications in histone 3 at arginine 2, arginine 17 and arginine 42 (H3R2me2a, H3R17me2a and H3R42me2a) and in histone H2A at arginine 26 (H2AR26me2a) and participates in the epigenetic regulation of gene expression.

## Storage

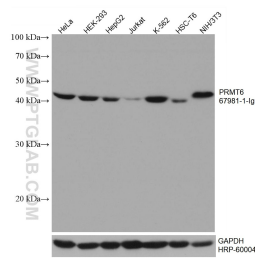
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
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# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67981-1-Ig (PRMT6 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67981-1-PBS in a different storage buffer formulation.