

# CoraLite® Plus 488-conjugated PRMT6 Monoclonal antibody

Catalog Number: **CL488-67981**

## Basic Information

**Catalog Number:**

CL488-67981

**Size:**100ul , Concentration: 1000 µg/ml by  
Nanodrop;**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG7934

**GenBank Accession Number:**

BC002729

**GeneID (NCBI):**

55170

**UNIPROT ID:**

Q96LA8

**Full Name:**

protein arginine methyltransferase 6

**Calculated MW:**

42 kDa

**Observed MW:**

42 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

4B5A9

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:****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 -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech  
Group brand and is not available to purchase from any  
other manufacturer.

