

**PRMT6 (2C3) Mouse mAb**

db6024

Package : 50µL 100µL

**Product Name** : PRMT6 (2C3) Mouse mAb**Cat.No.:** db6024**Synonyms** : HRMT1L6; PRMT 6**Application** : WB, IHC-Fr, IHC-P, ICC/IF**Reactivity** : Human**Host species** : Mouse**Background**

The protein encoded by this gene belongs to the arginine N-methyltransferase family, which catalyze the sequential transfer of methyl group from S-adenosyl-L-methionine to the side chain nitrogens of arginine residues within proteins, to form methylated arginine derivatives and S-adenosyl-L-homocysteine. This protein can catalyze both, the formation of omega-N monomethylarginine and asymmetrical dimethylarginine, with a strong preference for the latter. It specifically mediates the asymmetric dimethylation of Arg2 of histone H3, and the methylated form represents a specific tag for epigenetic transcriptional repression. This protein also forms a complex with, and methylates DNA polymerase beta, resulting in stimulation of polymerase activity by enhancing DNA binding and processivity.

**Immunogen**

Purified recombinant human PRMT6 protein fragments expressed in E.coli

**Gene ID**

55170

**Swiss Prot**

Q96LA8

**Synonyms**

HRMT1L6; PRMT 6

**Reactivity**

Human

**Application**

WB, IHC-Fr, IHC-P, ICC/IF

**Recommended dilution**

WB: 1:500-1:1000

IHC: 1:50-1:100

ICC/IF: 1:50-1:200

**Calculated MW**

42 kDa

**Observed MW**

42 kDa

**Host species**

Mouse

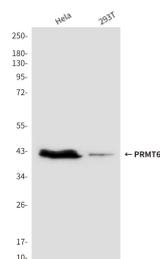
**Clonality**

Monoclonal

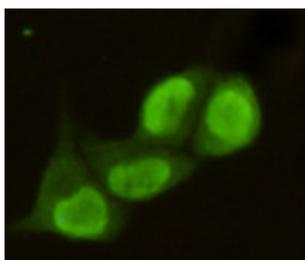
**Clonality No.**

2C3-F1-G1

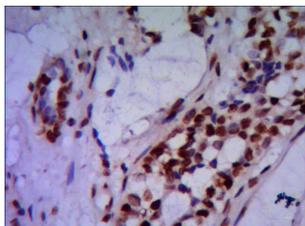
<b>Isotype</b>	IgG1
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



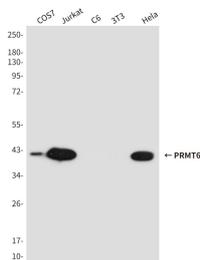
Western blot analysis of PRMT6 in HeLa and 293T lysates using PRMT6 antibody.



Immunocytochemistry analysis of PRMT6 (2C3) in HeLa using PRMT6 antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using PRMT6 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of PRMT6 in COS7, Jurkat and HeLa lysates using PRMT6 antibody.