

## PRMT6

**Reactivity:** Human

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:200 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 42kDa

**Observed MW:** Refer to figures

**Immunogen:**

A synthetic peptide of human PRMT6

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

f

**Synonym:**

HRMT1L6;

**Catalog #:** A2318

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 55170

**Isotype:** IgG

**Swiss Prot:** Q96LA8

**Purity:** Affinity purification

For research use only.

**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.

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