

## PRMT1 polyclonal antibody

Catalog: BS91107

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

A class of proteins termed type 1 protein arginine N-methyltransferase (PRMT) enzymes contribute to post-translational modification of RNA-binding proteins, but differ in substrate specificities, oligomerization properties and subcellular localization. PRMT1, the predominant form in mammalian cells, is located in the nucleus, while PRMT3 is present in the cytoplasm. At the carboxy-terminus, interleukin enhancer-binding factor 3 (ILF3) binds PRMT1, thereby regulating PRMT1 activity. Alternative mRNA splicing of the PRMT gene results in three isoforms of PRMT1 that differ in their amino-terminus regions. All three splice variants of PRMT1 are enzymatically active. PRMT3 recognizes and binds to RNA-associated substrates with a zinc-finger domain in its amino-terminus. The zinc-liganded form of this domain is required for the enzyme to recognize RNA-associated substrates.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

42 kDa

### Swiss-Prot:

Q99873(Human) Q9JIF0(Mouse) Q63009(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500-1:1,000

ICC:1:100-1:500

IHC:1:50-1:200

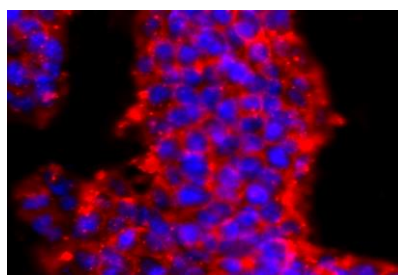
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

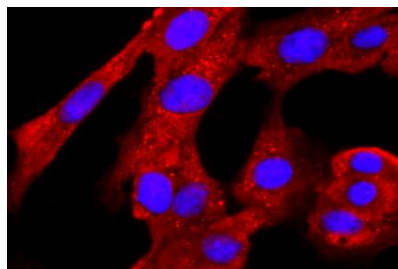
### Specificity:

PRMT1 polyclonal antibody detects endogenous levels of PRMT1 protein.

### DATA:



ICC staining PRMT1 in D3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PRMT1 in NIH-3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

For research use only, not for use in diagnostic procedure.

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