

**Prmt7 antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI11697****Specification**

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**Prmt7 antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">O922X9</a>
Other Accession	<a href="#">NM_145404</a> , <a href="#">NP_663379</a>
Reactivity	Human, Mouse, Rat, Horse, Dog
Predicted	Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78kDa KDa

**Prmt7 antibody - C-terminal region - Additional Information****Gene ID** 214572**Alias Symbol** 4933402B05Rik, BC006705, MGC7929**Other Names**

Protein arginine N-methyltransferase 7, 2.1.1.-, Histone-arginine N-methyltransferase PRMT7, 2.1.1.125, [Myelin basic protein]-arginine N-methyltransferase PRMT7, 2.1.1.126, Prmt7, Kiaa1933

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Prmt7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Prmt7 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Prmt7 antibody - C-terminal region - Protein Information****Name** Prmt7**Synonyms** Kiaa1933**Function**

Arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and symmetrical dimethylarginine (sDMA), with a preference for the formation of MMA. Specifically mediates the symmetrical dimethylation of arginine residues in the small nuclear ribonucleoproteins Sm D1 (SNRPD1) and Sm D3 (SNRPD3); such methylation being required for the assembly and biogenesis of snRNP core particles. Specifically mediates the symmetric dimethylation of histone H4 'Arg-3' to form H4R3me2s. Plays a role in gene imprinting by being

recruited by CTCFL at the H19 imprinted control region (ICR) and methylating histone H4 to form H4R3me2s, possibly leading to recruit DNA methyltransferases at these sites. May also play a role in embryonic stem cell (ESC) pluripotency. Also able to mediate the arginine methylation of histone H2A and myelin basic protein (MBP) in vitro; the relevance of such results is however unclear in vivo (By similarity).

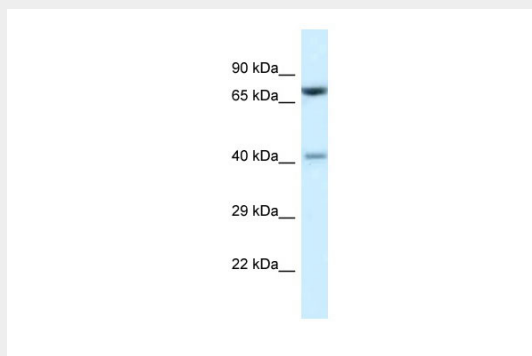
**Cellular Location**

Cytoplasm, cytosol. Nucleus

**Prmt7 antibody - C-terminal region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Prmt7 antibody - C-terminal region - Images**

WB Suggested Anti-Prmt7 Antibody Titration: 1.0 µg/ml  
Positive Control: Mouse Thymus