10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Prmt7 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11697

## Product Information

| | |
|---|---|
| **Application** | WB |
| **Primary Accession** | Q922X9 |
| **Other Accession** | NM_145404, NP_663379 |
| **Reactivity** | Human, Mouse, Rat, Dog, Horse |
| **Predicted** | Dog, Horse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 78301 |

## Additional Information

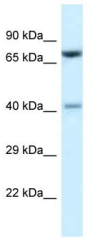
| | |
|---|---|
| **Gene ID** | 214572 |
| **Alias Symbol** | 4933402B05Rik, BC006705, MGC7929 |
| **Other Names** | Protein arginine N-methyltransferase 7, 2.1.1.-, Histone-arginine N-methyltransferase PRMT7, 2.1.1.125, [Myelin basic protein]-arginine N-methyltransferase PRMT7, 2.1.1.126, Prmt7, Kiaa1933 |
| **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. |

## 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 |

## Images




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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.