

# ICMT Rabbit pAb

Catalog # AP97780

## Product Information

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| <b>Application</b>             | IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                                  |
| <b>Primary Accession</b>       | <a href="#">O60725</a>                                                                                                                                                                                                                                                                            |
| <b>Other Accession</b>         | <a href="#">O60725</a>                                                                                                                                                                                                                                                                            |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                            |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                        |
| <b>Calculated MW</b>           | 31938                                                                                                                                                                                                                                                                                             |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human CMT/Icmt                                                                                                                                                                                                                                      |
| <b>Epitope Specificity</b>     | 211-278/284                                                                                                                                                                                                                                                                                       |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                    |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                 |
| <b>SIMILARITY</b>              | Belongs to the isoprenylcysteine O-methyltransferase family.                                                                                                                                                                                                                                      |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                         |
| <b>Background Descriptions</b> | Catalyzes the post-translational methylation of isoprenylated C-terminal cysteine residues. Tissue specificity: Ubiquitously expressed. Expressed at higher levels in the cerebellum and putamen than in other brain regions. Abundant expression seen in the Purkinje cells and pontine neurons. |

## Additional Information

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| <b>Gene ID</b>     | 23463                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Other Names</b> | HSTE14; MST098; MSTP098; PCCMT; PCMT; PPMT; 1700008E11Rik; Gm13095; STE14; fcmt; ICMT_HUMAN; ICMT; Isoprenylcysteine carboxylmethyltransferase; Prenylated protein carboxyl methyltransferase (PPMT); Prenylcysteine carboxyl methyltransferase (pcCMT); 2.1.1.100; ICMT_MOUSE; ICMT_RAT; Farnesyl cysteine carboxyl methyltransferase (FCMT); isoprenylcysteine carboxyl methyltransferase; protein-S-isoprenylcysteine O-methyltransferase |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                                                                                                                                                                                                                                              |

## Protein Information

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| <b>Name</b> | ICMT |
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| <b>Synonyms</b>          | PCCMT                                                                                                                                                                            |
| <b>Function</b>          | Catalyzes the post-translational methylation of isoprenylated C-terminal cysteine residues.                                                                                      |
| <b>Cellular Location</b> | Endoplasmic reticulum membrane; Multi-pass membrane protein                                                                                                                      |
| <b>Tissue Location</b>   | Ubiquitously expressed. Expressed at higher levels in the cerebellum and putamen than in other brain regions. Abundant expression seen in the Purkinje cells and pontine neurons |

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