

ICMT (N-term) Antibody Blocking Peptide
Synthetic peptide
Catalog # BP2543a**Specification**

ICMT (N-term) Antibody Blocking Peptide - Product InformationPrimary Accession [O60725](#)**ICMT (N-term) Antibody Blocking Peptide - Additional Information****Gene ID** 23463**Other Names**

Protein-S-isoprenylcysteine O-methyltransferase, Isoprenylcysteine carboxymethyltransferase, Prenylated protein carboxyl methyltransferase, PPMT, Prenylcysteine carboxyl methyltransferase, pcCMT, ICMT, PCCMT

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2543a](/product/products/AP2543a) was selected from the N-term region of human ICMT (N-term). A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ICMT (N-term) Antibody Blocking Peptide - Protein Information**Name** ICMT**Synonyms** PCCMT**Function**

Catalyzes the post-translational methylation of isoprenylated C-terminal cysteine residues.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

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

ICMT (N-term) Antibody Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ICMT (N-term) Antibody Blocking Peptide - Images

ICMT (N-term) Antibody Blocking Peptide - Background

This gene encodes the third of three enzymes that posttranslationally modify isoprenylated C-terminal cysteine residues in certain proteins and target those proteins to the cell membrane. This enzyme localizes to the endoplasmic reticulum. Alternative splicing results in two transcript variants encoding different isoforms.

ICMT (N-term) Antibody Blocking Peptide - References

Bergo, M.O., et al., J. Clin. Invest. 113(4):539-550 (2004). Ahmad, M., et al., Arterioscler. Thromb. Vasc. Biol. 22(5):759-764 (2002). Van Dessel, G.A., et al., Int. J. Biochem. Cell Biol. 34(5):477-486 (2002). Dai, Q., et al., J. Biol. Chem. 273(24):15030-15034 (1998).