

ICMT (C-term) Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2543b

Specification

ICMT (C-term) Antibody - Product Information

Application	WB,E
Primary Accession	060725
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31938
Antigen Region	250-284

ICMT (C-term) Antibody - Additional Information

Gene ID 23463

Other Names

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

Target/Specificity

This ICMT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 250-284 amino acids from the C-terminal region of human ICMT.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ICMT (C-term) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ICMT (C-term) Antibody - 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

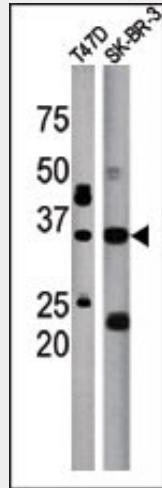
Tissue Location

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 (C-term) Antibody - 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](#)

ICMT (C-term) Antibody - Images

The anti-ICMT Pab (Cat. #AP2543b) is used in Western blot to detect ICMT in T47D (left) and SK-BR-3 (right) tissue lysate

ICMT (C-term) Antibody - 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 (C-term) Antibody - 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).