

PCMTD1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18176a

Specification

PCMTD1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q96MG8
Other Accession	P59913 , Q5ZMR3 , A2VDP2 , NP_443169.2
Reactivity	Human, Mouse
Predicted	Bovine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	19-48

PCMTD1 Antibody (N-term) - Additional Information

Gene ID 115294

Other Names

Protein-L-isoaspartate O-methyltransferase domain-containing protein 1, PCMTD1

Target/Specificity

This PCMTD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 19-48 amino acids from the N-terminal region of human PCMTD1.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

PCMTD1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PCMTD1 Antibody (N-term) - Protein Information

Name PCMTD1 ([HGNC:30483](#))

Function Substrate recognition component of an ECS (Elongin BC-CUL5- SOCS-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal

degradation of target proteins (PubMed:[35486881](#)). Specifically binds to the methyltransferase cofactor S-adenosylmethionine (AdoMet) via the N-terminal AdoMet binding motif, but does not display methyltransferase activity (PubMed:[35486881](#)). May provide an alternate maintenance pathway for modified proteins by acting as a damage-specific E3 ubiquitin ligase adaptor protein (PubMed:[35486881](#)).

Cellular Location

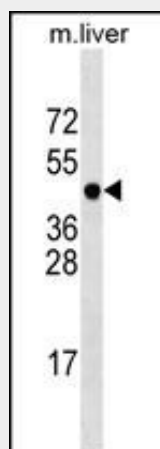
Cytoplasm {ECO:0000250|UniProtKB:P22061}. Membrane; Lipid-anchor

PCMTD1 Antibody (N-term) - 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](#)

PCMTD1 Antibody (N-term) - Images



PCMTD1 Antibody (N-term) (Cat. #AP18176a) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the PCMTD1 antibody detected the PCMTD1 protein (arrow).

PCMTD1 Antibody (N-term) - Background

PCMTD1 belongs to the methyltransferase superfamily. L-isoaspartyl/D-aspartyl protein methyltransferase family.

PCMTD1 Antibody (N-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :

PCMTD1 Antibody (N-term) - Citations

- [1,25\(OH\)₂ D₃ attenuates hepatic steatosis by inducing autophagy in mice.](#)
- [Intestinal epithelial vitamin D receptor deletion leads to defective autophagy in colitis.](#)