

MPPE1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18577b

Specification

MPPE1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q53F39
Other Accession	Q9GMS6 , NP_075563.3
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	261-289

MPPE1 Antibody (C-term) - Additional Information

Gene ID 65258

Other Names

Metallophosphoesterase 1, 31--, Post-GPI attachment to proteins factor 5, MPPE1, PGAP5

Target/Specificity

This MPPE1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 261-289 amino acids from the C-terminal region of human MPPE1.

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 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

MPPE1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MPPE1 Antibody (C-term) - Protein Information

Name MPPE1 ([HGNC:15988](#))

Function Metallophosphoesterase that catalyzes the removal of a side- chain

ethanolamine-phosphate (EtNP) from the second mannose of the GPI- anchor protein intermediate (PubMed:[19837036](#), PubMed:[29374258](#)). Participates in the glycan remodeling steps of GPI-anchor maturation to allow an efficient transport of GPI-anchor proteins from the endoplasmic reticulum to the Golgi (PubMed:[19837036](#), PubMed:[29374258](#)).

Cellular Location

Endoplasmic reticulum-Golgi intermediate compartment membrane; Multi-pass membrane protein. Note=Also localizes to endoplasmic reticulum exit site.

Tissue Location

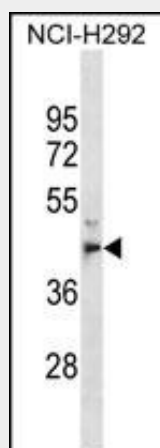
Expressed in brain..

MPPE1 Antibody (C-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](#)

MPPE1 Antibody (C-term) - Images



MPPE1 Antibody (C-term) (Cat. #AP18577b) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the MPPE1 antibody detected the MPPE1 protein (arrow).

MPPE1 Antibody (C-term) - Background

Metallophosphoesterase required for transport of GPI-anchor proteins from the endoplasmic reticulum to the Golgi. Acts in lipid remodeling steps of GPI-anchor maturation by mediating the removal of a side-chain ethanolamine-phosphate (EtNP) from the second Man (Man2) of the GPI intermediate, an essential step for efficient transport of GPI-anchor proteins.

MPPE1 Antibody (C-term) - References

Lohoff, F.W., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (3), 830-836 (2010) :

Fujita, M., et al. Cell 139(2):352-365(2009)
Yosifova, A., et al. J Affect Disord 117 (1-2), 87-97 (2009) :
Fortna, A., et al. PLoS Biol. 2 (7), E207 (2004) :
Vuoristo, J.T., et al. Cytogenet. Cell Genet. 95 (1-2), 60-63 (2001) :