

**PMPCA Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11161b**

**Specification**

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**PMPCA Antibody (C-term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">O10713</a>
Other Accession	<a href="#">NP_055975.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58253
Antigen Region	454-483

**PMPCA Antibody (C-term) - Additional Information**

**Gene ID** 23203

**Other Names**

Mitochondrial-processing peptidase subunit alpha, Alpha-MPP, P-55, PMPCA, INPP5E, KIAA0123, MPPA

**Target/Specificity**

This PMPCA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 454-483 amino acids from the C-terminal region of human PMPCA.

**Dilution**

WB~~1:1000  
FC~~1:10~50

**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**

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

**PMPCA Antibody (C-term) - Protein Information**

**Name** PMPCA

**Synonyms** INPP5E, KIAA0123, MPPA

**Function** Substrate recognition and binding subunit of the essential mitochondrial processing protease (MPP), which cleaves the mitochondrial sequence off newly imported precursors proteins.

**Cellular Location**

Mitochondrion matrix {ECO:0000250|UniProtKB:P20069}. Mitochondrion inner membrane

**Tissue Location**

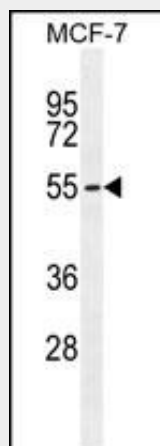
Ubiquitously expressed with highest expression in fetal tissues and adult brain, cerebellum and cerebellar vermis

**PMPCA Antibody (C-term) - Protocols**

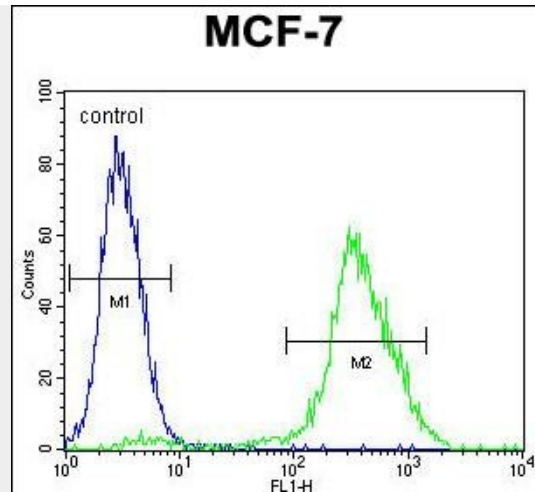
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PMPCA Antibody (C-term) - Images**



PMPCA Antibody (C-term) (Cat. #AP11161b) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the PMPCA antibody detected the PMPCA protein (arrow).



PMPCA Antibody (C-term) (Cat. #AP11161b) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **PMPCA Antibody (C-term) - References**

- Hassel, S., et al. *Proteomics* 4(5):1346-1358(2004)
- Harris, R.A., et al. *Proteomics* 2(2):212-223(2002)
- Nagao, Y., et al. *J. Biol. Chem.* 275(44):34552-34556(2000)
- Simpson, J.C., et al. *EMBO Rep.* 1(3):287-292(2000)
- Luciano, P., et al. *J. Mol. Biol.* 272(2):213-225(1997)