

**MAIP1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20447b**

**Specification**

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**MAIP1 Antibody (C-term) - Product Information**

|                   |  |
|-------------------|--|
| Application       | WB,E   |
| Primary Accession | <a href="#">Q8WWC4</a>   |
| Other Accession   | <a href="#">Q6AY04</a> , <a href="#">Q8BHE8</a> , <a href="#">A3KN05</a> |
| Reactivity        | Human  |
| Predicted         | Bovine, Mouse, Rat   |
| Host              | Rabbit   |
| Clonality         | Polyclonal   |
| Isotype           | Rabbit IgG   |
| Antigen Region    | 190-219  |

**MAIP1 Antibody (C-term) - Additional Information**

**Gene ID** 79568

**Other Names**

Uncharacterized protein C2orf47, mitochondrial, C2orf47

**Target/Specificity**

This C2orf47 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 190-219 amino acids from the C-terminal region of human C2orf47.

**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**

MAIP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**MAIP1 Antibody (C-term) - Protein Information**

**Name** MAIP1 {ECO:0000303|PubMed:27642048, ECO:0000312|HGNC:HGNC:26198}

**Function** Promotes sorting of SMDT1/EMRE in mitochondria by ensuring its maturation (PubMed:[27642048](#)). Interacts with the transit peptide region of SMDT1/EMRE precursor protein in

the mitochondrial matrix, leading to protect it against protein degradation by YME1L1, thereby ensuring SMDT1/EMRE maturation by the mitochondrial processing peptidase (PMPCA and PMPCB) (PubMed:[27642048](#)).

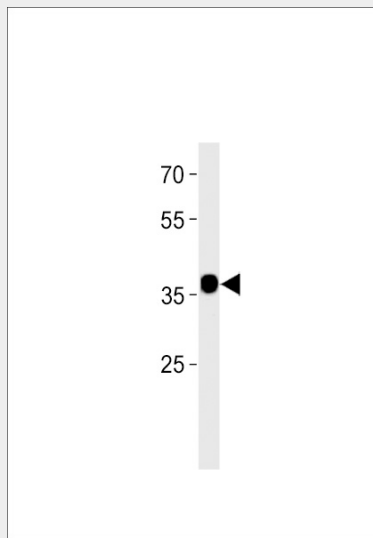
**Cellular Location**  
Mitochondrion matrix

### MAIP1 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](#)

### MAIP1 Antibody (C-term) - Images



C2orf47 Antibody (C-term) (Cat. #AP20447b) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the C2orf47 antibody detected the C2orf47 protein (arrow).

### MAIP1 Antibody (C-term) - Background

The function of the C2orf47 protein is currently unknown.

### MAIP1 Antibody (C-term) - References

- Ota T., et al. Nat. Genet. 36:40-45(2004).  
Hillier L.W., et al. Nature 434:724-731(2005).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Bechtel S., et al. BMC Genomics 8:399-399(2007).  
Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011).