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# C2orf47 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20447b

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q8WWC4 |
| **Other Accession** | Q6AY04, Q8BHE8, A3KN05 |
| **Reactivity** | Human, Rat, Mouse |
| **Predicted** | Bovine, Mouse, Rat, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Calculated MW** | 32545 |
| **Antigen Region** | 190-219 |

## Additional Information

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|---|---|
| **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 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** | C2orf47 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **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

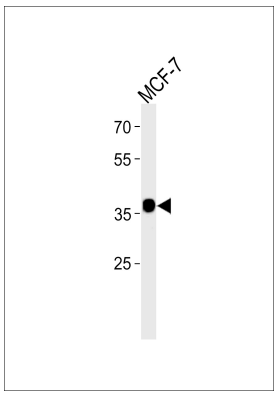
## Background

The function of the C2orf47 protein is currently unknown.

## 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).

## 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.