

**ADCK1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8177a****Specification**

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**ADCK1 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q86TW2](#)  
Other Accession [NP\\_065154](#)

**ADCK1 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 57143

**Other Names**

Uncharacterized aarF domain-containing protein kinase 1, 2711-, ADCK1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8177a](/product/products/AP8177a) was selected from the N-term region of human ADCK1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ADCK1 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** ADCK1 {ECO:0000303|PubMed:31125351}

**Function**

Appears to be essential for maintaining mitochondrial cristae formation and mitochondrial function by acting via YME1L1 in a kinase- independent manner to regulate essential mitochondrial structural proteins OPA1 and IMMT (PubMed:<http://www.uniprot.org/citations/31125351> target="\_blank">31125351</a>). The action of this enzyme is not yet clear (Probable). It is not known if it has protein kinase activity and what type of substrate it would phosphorylate (Ser, Thr or Tyr) (Probable).

**Cellular Location**

Mitochondrion.

**ADCK1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ADCK1 Antibody (N-term) Blocking Peptide - Images****ADCK1 Antibody (N-term) Blocking Peptide - Background**

ADCK1 is the first identified member of the AarF domain containing kinase family.

**ADCK1 Antibody (N-term) Blocking Peptide - References**

Manning, G., et al., Science 298(5600):1912-1934 (2002).