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ADCK1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP8177a

Specification

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 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:31125351). 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.

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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).