

ADCK4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7107a**Specification**

ADCK4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O96D53](#)
Other Accession [O8TAJ1](#)**ADCK4 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 79934

Other Names

AarF domain-containing protein kinase 4, 2711-, ADCK4

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7107a](/product/products/AP7107a) was selected from the N-term region of human ADCK4. 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.

ADCK4 Antibody (N-term) Blocking Peptide - Protein InformationName COQ8B ([HGNC:19041](#))**Function**

Atypical kinase involved in the biosynthesis of coenzyme Q, also named ubiquinone, an essential lipid-soluble electron transporter for aerobic cellular respiration (PubMed:[24270420](http://www.uniprot.org/citations/24270420)). Its substrate specificity is unclear: does not show any protein kinase activity. Probably acts as a small molecule kinase, possibly a lipid kinase that phosphorylates a prenyl lipid in the ubiquinone biosynthesis pathway. Required for podocyte migration (PubMed:[24270420](http://www.uniprot.org/citations/24270420)).

Cellular Location

Mitochondrion membrane; Single-pass membrane protein. Cytoplasm, cytosol. Cell membrane

Tissue Location

Widely expressed, including renal podocytes.

ADCK4 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ADCK4 Antibody (N-term) Blocking Peptide - Images**ADCK4 Antibody (N-term) Blocking Peptide - Background**

ADCK4 is member of the AarF domain containing kinase family.

ADCK4 Antibody (N-term) Blocking Peptide - References

Ota, T., et al., Nat. Genet. 36(1):40-45 (2004).