

ADCK4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7107b**Specification**

ADCK4 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O96D53](#)**ADCK4 Antibody (C-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 [AP7107b](/product/products/AP7107b) was selected from the C-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 (C-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)), PubMed:[36302899](http://www.uniprot.org/citations/36302899), PubMed:[38425362](http://www.uniprot.org/citations/38425362)). Its substrate specificity is still unclear: may act as a protein kinase that mediates phosphorylation of COQ3 (PubMed:[38425362](http://www.uniprot.org/citations/38425362)). According to other reports, acts as a small molecule kinase, possibly a lipid kinase that phosphorylates a prenyl lipid in the ubiquinone biosynthesis pathway, as suggested by its ability to bind coenzyme Q lipid intermediates (By similarity). However, the small molecule kinase activity was not confirmed by another publication (PubMed:[38425362](http://www.uniprot.org/citations/38425362)). Required for

podocyte migration (PubMed:24270420).

Cellular Location

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

Tissue Location

Widely expressed, including renal podocytes.

ADCK4 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

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

ADCK4 is member of the AarF domain containing kinase family.

ADCK4 Antibody (C-term) Blocking Peptide - References

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