ADCK4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ADCK4, Polyclonal Antibody
Full Product Name	ADCK4 Polyclonal Antibody
Product Gene Name	anti-ADCK4 antibody
Product Synonym Names	ADCK4; NPHS9
Immunogen Sequence	MWLKVGGLLR GTGGQLGQTV GWPCGALGPG PHRWGPCGGS WAQKFYQDGP GRGLGEEDIR RAREARPRKT PRPQLSDRSR ERKVPASRIS
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	55kDa/60kDa
OMIM	BC013114 mRNA
3D Structure	ModBase 3D Structure for Q96D53
Immunogen	Recombinant protein of human ADCK4
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Cell membrane, Cytoplasm, Mitochondrion membrane, Single-pass membrane protein, cytosol
Product Categories/Family for anti-ADCK4 antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ADCK4 antibody	Western Blot (WB)
Application Notes for anti-ADCK4 antibody	WB: 1:500 - 1:2000
Related Product Information for anti-ADCK4 antibody	This gene encodes a protein with two copies of a domain found in protein kinases. The encoded protein has a complete protein kinase catalytic domain, and a truncated domain that contains only the active and binding sites of the protein kinase domain, however, it is not known whether the protein has any kinase activity. Multiple transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-ADCK4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ADCK4 purchase	MBS9134925 is an antibody targeting ADCK4. Also known as ADCK4 Polyclonal Antibody. Reactive in Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADCK4. It may not necessarily be applicable to this product.

NCBI GI #	217416386
NCBI GeneID	79934
NCBI Accession #	NP_001136027.1
UniProt Primary Accession #	Q96D53
UniProt Secondary Accession #	Q8TAJ1; Q9HA52
UniProt Related Accession #	Q96D53
GenBank Nucleotide #	NM_001142555.2
NCBI Official Full Name	atypical kinase COQ8B, mitochondrial isoform b
NCBI Official Synonym Full Names	coenzyme Q8B
NCBI Official Symbol	COQ8B
NCBI Official Synonym Symbols	ADCK4; NPHS9
UniProt Protein Name	Atypical kinase COQ8B, mitochondrial
UniProt Synonym Protein Names	AarF domain-containing protein kinase 4
UniProt Gene Name	COQ8B
NCBI Protein Information	atypical kinase COQ8B, mitochondrial
UniProt Comments for ADCK4	Atypical kinase involved in the biosynthesis of coenzyme Q, also named ubiquinone, an essential lipid-soluble electron transporter for aerobic cellular respiration (PubMed: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).
Research Articles on ADCK4	**1.** Mutations in ADCK4 resulted in reduced CoQ10 levels and reduced mitochondrial respiratory enzyme activity in cells isolated from individuals with steroid-resistant nephrotic syndrome & transformed lymphoblasts.
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