

**ADCK4 Polyclonal Antibody**  
**Catalog # AP68305****Specification**

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**ADCK4 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IF
Primary Accession	<a href="#">Q96D53</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**ADCK4 Polyclonal Antibody - Additional Information****Gene ID** 79934**Other Names**

ADCK4; Uncharacterized aarF domain-containing protein kinase 4

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.

IHC-P~~N/A

IF~~1:50~200

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**ADCK4 Polyclonal Antibody - Protein Information****Name** 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:<a href="http://www.uniprot.org/citations/24270420" target="\_blank">24270420</a>, PubMed:<a href="http://www.uniprot.org/citations/36302899" target="\_blank">36302899</a>, PubMed:<a href="http://www.uniprot.org/citations/38425362" target="\_blank">38425362</a>). Its substrate specificity is still unclear: may act as a protein kinase that mediates phosphorylation of COQ3 (PubMed:<a href="http://www.uniprot.org/citations/38425362" target="\_blank">38425362</a>). 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:<a href="http://www.uniprot.org/citations/38425362" target="\_blank">38425362</a>). Required for podocyte migration (PubMed:<a href="http://www.uniprot.org/citations/24270420" target="\_blank">24270420</a>).

target="\_blank">24270420</a>).

**Cellular Location**

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

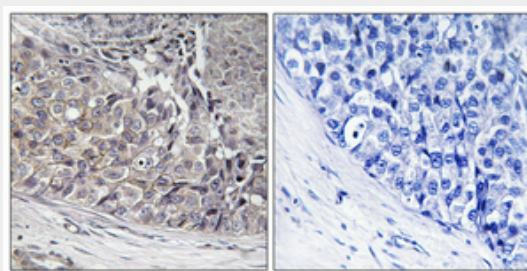
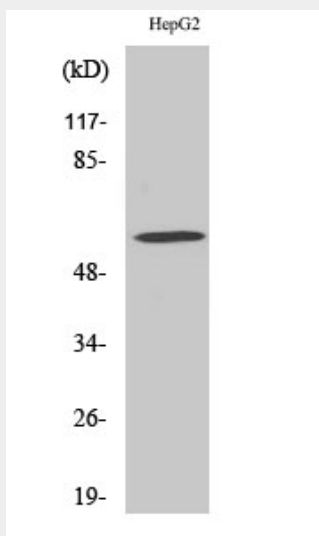
**Tissue Location**

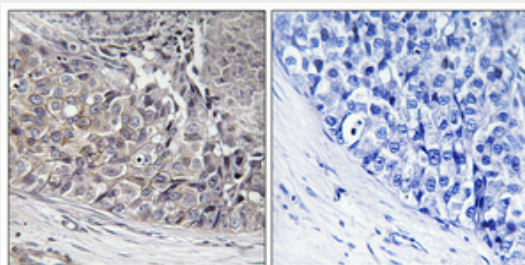
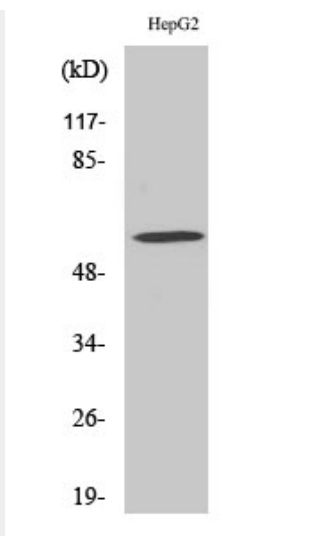
Widely expressed, including renal podocytes.

**ADCK4 Polyclonal Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ADCK4 Polyclonal Antibody - Images**



#### **ADCK4 Polyclonal Antibody - Background**

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).