

ADCK4 Antibody (aa6-55)
Rabbit Polyclonal Antibody
Catalog # ALS16352**Specification**

ADCK4 Antibody (aa6-55) - Product Information

Application	WB
Primary Accession	Q96D53
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60kDa KDa

ADCK4 Antibody (aa6-55) - Additional Information**Gene ID** 79934**Other Names**

AarF domain-containing protein kinase 4, 2.7.11.-, ADCK4

Target/Specificity

ADCK4 Antibodyantibody detects endogenous levels of ADCK4.

Reconstitution & Storage

Store at -20°C.

Precautions

ADCK4 Antibody (aa6-55) is for research use only and not for use in diagnostic or therapeutic procedures.

ADCK4 Antibody (aa6-55) - 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: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).

Cellular Location

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

Tissue Location

Widely expressed, including renal podocytes.

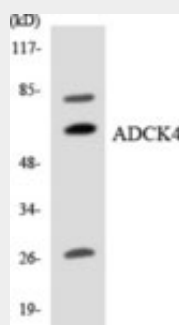
Volume
50 µl

ADCK4 Antibody (aa6-55) - 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 Antibody (aa6-55) - Images



Western blot of the lysates from HeLa cells using ADCK4 antibody.

ADCK4 Antibody (aa6-55) - Background

May play a role in CoQ10 (COQ10A and/or COQ10B) biosynthesis, which is required for podocyte migration.

ADCK4 Antibody (aa6-55) - References

Ota T., et al. Nat. Genet. 36:40-45(2004).
Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011).
Greenman C., et al. Nature 446:153-158(2007).
Ashraf S., et al. J. Clin. Invest. 123:5179-5189(2013).