10320 Camino Santa Fe, Suite G
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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.

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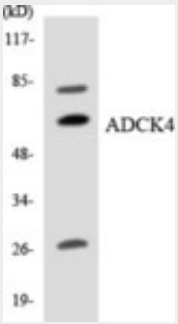
Volume
50 µl

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 Cytomety
- 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).