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Datasheet for ABIN783833
anti-PKDCC antibody (Center)

1 Image

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Overview

Quantity:	0.1 mg
Target:	PKDCC
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKDCC antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	15 amino acid peptide from near the center of human VLK.
Purification:	Affinity chromatography

Target Details

Target:	PKDCC
Alternative Name:	PKDCC (PKDCC Products)
Background:	VLK was identified as a novel protein kinase that was induced after the differentiation of cultured embryonic stem cells into mesendoderm. It has no homologs in invertebrates, but is highly conserved in vertebrate species although it does not belong to any known protein kinase groups. VLK is initially expressed in E-cadherin-positive anterior visceral endoderm and mesendoderm, but its expression is later confined to E-cadherin-negative mesenchyme. It is

Target Details

enriched in the Golgi apparatus and is thought to regulate the rate of protein export from the Golgi. Targeted disruption of VLK in mice leads to a defect in lung development and neonatal lethality. It has been suggested that mutations in VLK may be associated with the allergic condition atopy. Synonyms: LOC91461, Protein kinase domain-containing protein, Protein kinase-like protein SgK493, Sugen kinase 493, VLK, Vertebrate lonesome kinase

Gene ID: 91461

NCBI Accession: [NP_612379](#)

UniProt: [Q504Y2](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % sodium azide as preservative

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

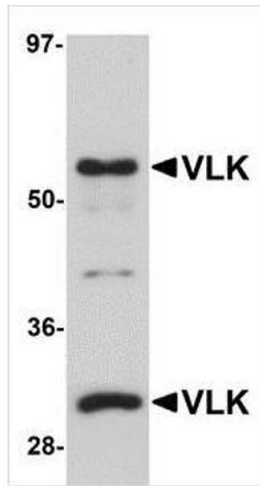
Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store the antibody (in aliquots) at -20 °C.

Publications

Product cited in: Blondelle, Shapiro, Domenighetti, Lange: "Cullin E3 Ligase Activity Is Required for Myoblast Differentiation." in: **Journal of molecular biology**, Vol. 429, Issue 7, pp. 1045-1066, (2017) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of VLK in human lung tissue lysate with VLK antibody at 1 µg/ml.