

Datasheet for ABIN6991253
anti-PKDCC antibody (AA 320-370)



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Overview

Quantity:	0.1 mg
Target:	PKDCC
Binding Specificity:	AA 320-370
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKDCC antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	VLK antibody was raised against a 15 amino acid synthetic peptide from near the center of human VLK. The immunogen is located within amino acids 320 - 370 of VLK.
Isotype:	IgG
Purification:	VLK Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PKDCC
Alternative Name:	VLK (PKDCC Products)
Background:	VLK Antibody: 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

Target Details

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 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.

Molecular Weight: Predicted: 32, 54 kDa

Observed: 31, 55 kDa

Gene ID: 91461

NCBI Accession: [NP_612379](#)

UniProt: [Q5RJI4](#)

Application Details

Application Notes: VLK antibody can be used for detection of VLK by Western blot at 0.5 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 5 µg/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: VLK Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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

Storage: -20 °C, 4 °C

Handling

Storage Comment: VLK antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.