

Anti-VLK Pkdcc Antibody

Catalog Number: A11391

About PKDCC

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 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.

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Overview

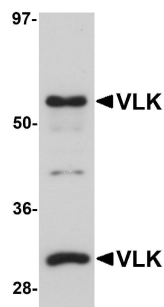
Product Name	Anti-VLK Pkdcc Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-VLK Pkdcc Antibody (Catalog # A11391). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	VLK Antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.
Storage Instructions	VLK antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q5RJ14

Technical Details

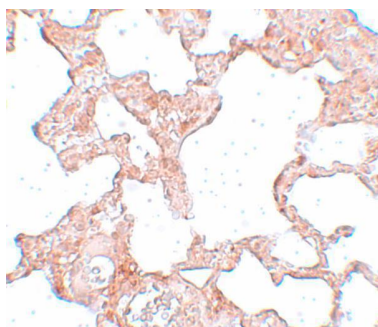
Immunogen	VLK antibody was raised against a 15 amino acid synthetic peptide from near the center of human VLK. The immunogen is located within amino acids 320 - 370 of VLK.
Predicted Reactive Species	Bovine

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	VLK Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	VLK antibody can be used for detection of VLK by Western blot at 0.5 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 5 ug/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. Optimal dilutions for each application should be determined by the researcher.

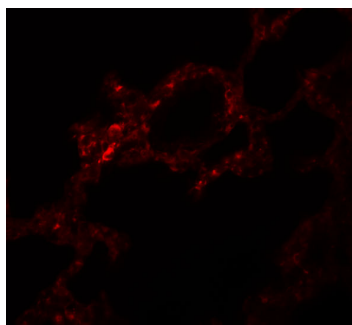
Anti-VLK Pkdcc Antibody (A11391) Images



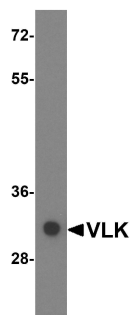
Western blot analysis of VLK in human lung tissue lysate with VLK antibody at 1 ug/mL.



Immunohistochemistry of VLK in rat lung tissue with VLK antibody at 2.5 ug/mL.



Immunofluorescence of VLK in rat lung tissue with VLK antibody at 5 ug/mL.



Western blot analysis of VLK expression in Jurkat cell lysate with VLK antibody at 0.5 ug/mL.

Anti-VLK Pkdcc Antibody

For Research Use Only. Not for use in diagnostic procedures.