

## Product datasheet for **TA306903**

### Protein kinase like protein SgK493 (PKDCC) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 2.5 ug/mL, IF: 5 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
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.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	protein kinase domain containing, cytoplasmic
Database Link:	<a href="#">NP_612379</a> <a href="#">Entrez Gene 106522 Mouse</a> <a href="#">Entrez Gene 313860 Rat</a> <a href="#">Entrez Gene 91461 Human</a> <a href="#">Q5RJI4</a>
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 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.

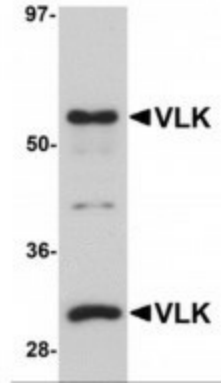


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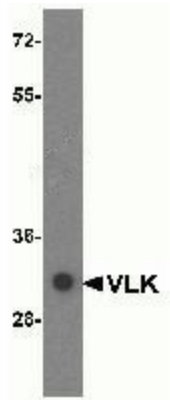
Synonyms: SGK493; Vlk

Protein Families: Druggable Genome, Protein Kinase

**Product images:**



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



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

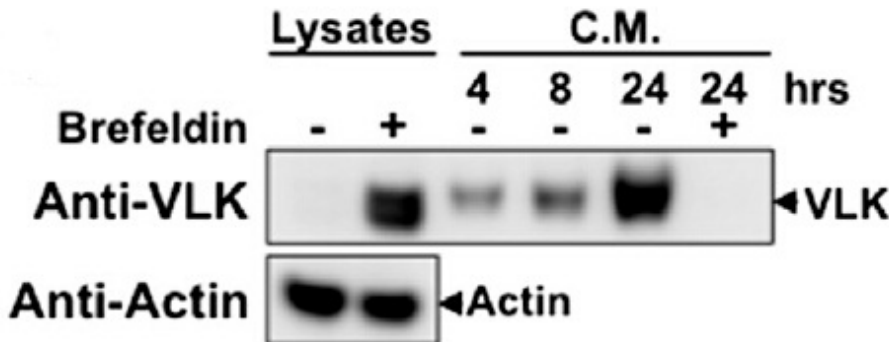
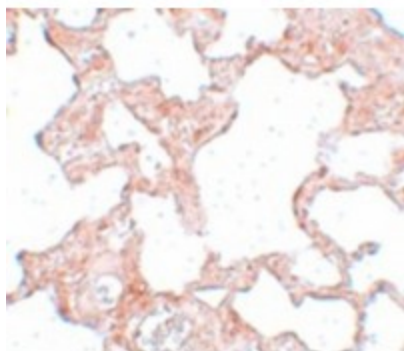
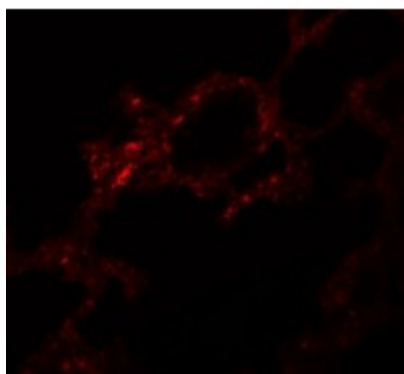


Figure from citation: Western Blot of Pkdcc (VLK) protein level by using anti-Pkdcc antibody in lysates and CM of brefeldin A treated human HepG2 cells. [View Citation](#)



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



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