

Product Name: KD-Validated PRKCSH Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00927

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 59.4kDa

Antigen Information

Gene Name	PRKCSH PRKCSH; Protein Kinase C Substrate 80K-H; Glucosidase 2 Subunit Beta; VASAP-60; PKCSH; G19P1; G11B; Protein Kinase C Substrate 60.1 KDa Protein Heavy Chain; Advanced Glycation
Alternative Names	End-Product Receptor 2; Glucosidase II Subunit Beta; Hepatocystin; GlulIbeta; G11beta; AGE-R2; 80K-H; PCLD; PLD1; Protein Kinase C Substrate, 80 Kda Protein; Glucosidase II Beta Subuni; Polycystic Liver Disease; AGE-Binding Receptor 2; 80K-H Protein; PCLD1
Gene ID	5589.0
SwissProt ID	P14314
Immunogen	A synthesized peptide derived from human GLU2B

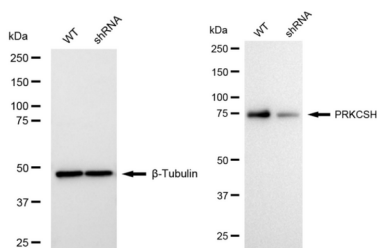
Background

This gene encodes the beta-subunit of glucosidase II, an N-linked glycan-processing enzyme in the endoplasmic reticulum. The encoded protein is an acidic phosphoprotein known to be a substrate for protein kinase C. Mutations in this gene have been associated with the autosomal dominant polycystic liver disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

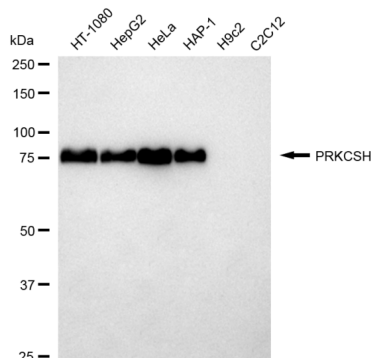
Research Area

Tags & Cell Markers, Signal Transduction

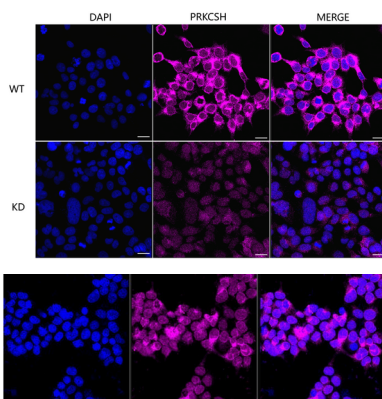
Image Data



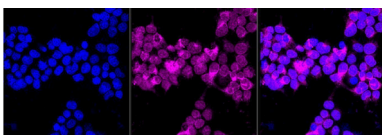
Western blotting analysis using PRKCSH antibody (KVA00927). PRKCSH expression in wild type (WT) and PRKCSH shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with PRKCSH antibody (KVA00927, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



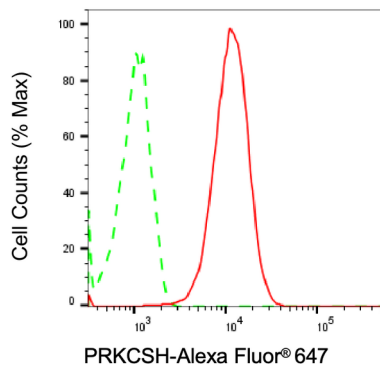
Western blotting analysis using PRKCSH antibody (KVA00927). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PRKCSH antibody (KVA00927, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using PRKCSH antibody (KVA00927, 1:1,000). Top panel: wild-type (WT); Bottom panel: PRKCSH shRNA knockdown (KD). Nuclei were stained blue with DAPI; PRKCSH was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Immunocytochemical staining of HeLa cells with PRKCSH antibody (KVA00927, 1:1,000). Nuclei were stained blue with DAPI; PRKCSH was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of PRKCSH expression in HeLa cells using PRKCSH antibody (KVA00927, 1:2,000). Green, isotype control; red, PRKCSH.