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Datasheet for ABIN7091534
anti-PKD2 antibody (AA 41-140)

Overview

Quantity:	100 µL
Target:	PKD2
Binding Specificity:	AA 41-140
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKD2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Polycystin 2
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Cow,Pig,Horse,Rabbit,Zebrafish
Purification:	Purified by Protein A.

Target Details

Target:	PKD2
Alternative Name:	Polycystin 2 (PKD2 Products)
Background:	Synonyms: polycystic kidney disease 2, TRPP2, APKD2, C030034P18RIK, MGC138466,

Target Details

MGC138468, PC2, PKD2 (includes EG:5311), PKD4, POLYCYSTIN-2, POLYCYSTIN 2, RGD1559992, TRPP2, Polycystic kidney disease 2 protein homolog, PC2.

Background: Involved in fluid-flow mechanosensation by the primary cilium in renal epithelium. PKD1 and PKD2 may function through a common signaling pathway that is necessary for normal tubulogenesis. Acts as a regulator of cilium length, together with PKD1. The dynamic control of cilium length is essential in the regulation of mechanotransductive signaling. The cilium length response creates a negative feedback loop whereby fluid shear-mediated deflection of the primary cilium, which decreases intracellular cAMP, leads to cilium shortening and thus decreases flow-induced signaling. Functions as a calcium permeable cation channel.

Gene ID: 5311

UniProt: [Q13563](#)

Pathways: [cAMP Metabolic Process](#), [Maintenance of Protein Location](#), [Negative Regulation of Transporter Activity](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000

Restrictions: For Research Use only

Handling

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months