Datasheet for ABIN911680

anti-PKD1 antibody (AA 131-230) (Alexa Fluor 488)

Go to Product page

Overview

Quantity:	100 µL
Target:	PKD1
Binding Specificity:	AA 131-230
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKD1 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Polycystin 1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified by Protein A.

Target Details

Target:	PKD1
Alternative Name:	Polycystin 1 (PKD1 Products)
Background:	Synonyms: PBP, Pc-1, TRPP1, Polycystin-1, Autosomal dominant polycystic kidney disease 1

Target Details

	protein, PKD1 Background: Involved in renal tubulogenesis. Involved in fluid-flow mechanosensation by the primary cilium in renal epithelium. Acts as a regulator of cilium length, together with PKD2. 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 (By similarity). May be an ion-channel regulator. Involved in adhesive protein-protein and protein-carbohydrate interactions.
Gene ID:	5310
UniProt:	P98161
Pathways:	Myometrial Relaxation and Contraction, Maintenance of Protein Location

Application Details

Application Notes:	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months