Polycystin 1 Antibody FITC Conjugated

Catalog No: #C03972F

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Polycystin 1 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt ICC IF
Species Reactivity	Hu Ms
Immunogen Description	KLH conjugated synthetic peptide aa 131-180 4303 derived from human Polycystin 1
Conjugates	FITC
Target Name	Polycystin 1
Other Names	PBP; Pc-1; TRPP1; Polycystin-1; Autosomal dominant polycystic kidney disease 1 protein; PKD1
Accession No.	Swiss-Prot#P98161NCBI Gene ID5310
Uniprot	P98161
GeneID	5310;
Excitation Emission	494nm 518nm
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=1:50-200 ICC=1:50-200 IF=1:50-200

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.

Note: This product is for in vitro research use only