

<b>Product name:</b>	PKD1 Rat Monoclonal Antibody
<b>Cat number:</b>	AMR81426
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100µL
<b>Clone:</b>	Monoclonal
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rat
<b>Isotype:</b>	Rat IgG1
<b>Immunogen:</b>	Purified recombinant fragment of mouse PKD1 (AA: 3682-3873) expressed in E. Coli.
<b>Reactivity:</b>	Human
<b>Applications:</b>	ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight:</b>	466kDa
<b>Purification:</b>	Affinity Purification
<b>Form:</b>	Liquid
<b>Buffer:</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Storage:</b>	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
<b>Background:</b>	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. May be an ion-channel regulator. Involved in adhesive protein-protein and protein-carbohydrate.