

Datasheet for ABIN7539645
anti-PKD1 antibody (AA 3682-3873)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PKD1
Binding Specificity:	AA 3682-3873
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This PKD1 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	PKD1 Antibody
Immunogen:	Purified recombinant fragment of mouse PKD1 (AA: 3682-3873) expressed in E. Coli.
Clone:	8C3D11
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	PKD1
Alternative Name:	PKD1 (PKD1 Products)
Background:	Involved in renal tubulogenesis. Involved in fluid-flow mechanosensation by the primary cilium

Target Details

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.

Molecular Weight: 466 kDa

Gene ID: 18763

UniProt: [O08852](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Maintenance of Protein Location](#)

Application Details

Application Notes: ELISA: 1/10000
FCM: 1/200 - 1/400

Restrictions: For Research Use only

Handling

Buffer: Purified antibody in PBS with 0.05 % sodium azide.

Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.