

Goat anti-PKD1 (aa2281-2292) Antibody

Item Number	dAP-2405
Target Molecule	Principle Name: PKD1 (aa2281-2292); Official Symbol: PKD1; All Names and Symbols: PKD1; polycystic kidney disease 1 (autosomal dominant); PBP; Pc-1; TRPP1; autosomal dominant polycystic kidney disease 1 protein; polycystic kidney disease-associated protein; polycystin 1; polycystin-1; transient receptor potential cation channel, subfam; Accession Number (s): NP_001009944.2; NP_000287.3; Human Gene ID(s): 5310; Non-Human GeneID(s): 18763 (mouse) 24650 (rat)
Immunogen	KSYPNLEDGDQT, is from internal region This antibody is expected to recognize both reported isoforms (NP_001009944.2; NP_000287.3).
Applications	Pep ELISA Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 1000.
Western Blot	Western Blot: Not yet tested - our routinely used western blotting protocol does not allow detection of proteins as large as the calculated size of 463kDa according to NP_000287.3. Therefore we cannot recommend an optimal concentration and the antibody i
IHC	
Reference	Reference(s): AbouAlaiwi WA, Ratnam S, Booth RL, Shah JV, Nauli SM. Endothelial cells from humans and mice with polycystic kidney disease are characterized by polyploidy and chromosome segregation defects through survivin down-regulation. Hum Mol Genet. 2011 Jan 15;20(2):354-67..PMID: 21041232->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**