



Anti-PKD2 (internal region) polyclonal antibody (DPAB-DC2259)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the polycystin protein family. The encoded protein is a multi-pass membrane protein that functions as a calcium permeable cation channel, and is involved in calcium transport and calcium signaling in renal epithelial cells. This protein interacts with polycystin 1, and they may be partners in a common signaling cascade involved in tubular morphogenesis. Mutations in this gene are associated with autosomal dominant polycystic kidney disease type 2.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human PKD2. The sequence is C-ERA ^K LKRREVLGR
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Cell lysate), ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PKD2 polycystic kidney disease 2 (autosomal dominant) [Homo sapiens (human)]
Official Symbol	PKD2
Synonyms	PKD2; polycystic kidney disease 2 (autosomal dominant); PC2; PKD4; Pc-2; APKD2; TRPP2; polycystin-2; R48321; polycystin; autosomal dominant polycystic kidney disease type II protein; transient receptor potential cation channel, subfamily P, member 2;
Entrez Gene ID	5311
Protein Refseq	NP_000288
UniProt ID	Q13563
Chromosome Location	4q22.1
Function	ATPase binding; HLH domain binding; actinin binding; calcium ion binding