



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

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids at internal region of human PKD2. The sequence is C-ERAKLKRREVLGR
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), ELISA,
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	100 µg
<b>Buffer</b>	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

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