

Rabbit anti-Human PKD2 Polyclonal Antibody | anti-PKD2 antibody

PKD2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289953	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

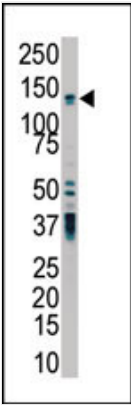
PRODUCT SYNONYMS

PKD2; Polyclonal Antibody; PKD2 Antibody (C-term); Polycystin-2; Autosomal dominant polycystic kidney disease type II protein; Polycystic kidney disease 2 protein; Polycystin; R48321; anti-PKD2 antibody

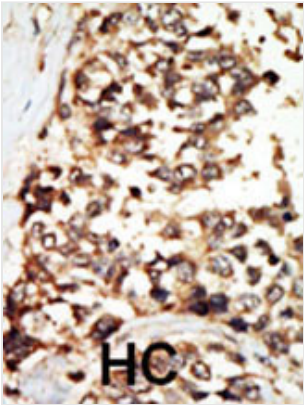
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PKD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 937-968 amino acids from the C-terminal region of human PKD2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.9 (varies by lot)
Sequence Positions	937-968
Sequence Length	874
Applicable Applications for anti-PKD2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
The anti-PKD2 Pab is used in Western blot to detect PKD2 in HL-60 cell lysate.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL INFORMATION

Related Product Information for anti-PKD2 antibody	Involved in fluid-flow mechanosensation by the primary cilium in renal epithelium. PKD1 and PKD2 may function through a common signaling pathway that is necessary for normal tubulogenesis. Acts as a regulator of cilium length, together with PKD1. 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. Functions as a calcium permeable cation channel.
Product Categories/Family for anti-PKD2 antibody	Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505835
NCBI GeneID	5311
NCBI Accession #	NP_000288.1
NCBI GenBank Nucleotide #	NM_000297.3
UniProt Accession #	Q13563; O60441; Q15764; Q2M1Q3; Q2M1Q5
Molecular Weight	109691
NCBI Official Full Name	polycystin-2
NCBI Official Synonym Full Names	polycystic kidney disease 2 (autosomal dominant)
NCBI Official Symbol	PKD2
NCBI Official Synonym Symbols	PC2; PKD4; Pc-2; APKD2; TRPP2
NCBI Protein Information	polycystin-2
UniProt Protein Name	Polycystin-2
UniProt Gene Name	PKD2
UniProt Entry Name	PKD2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pkd2-antibody-western-blot-immunohistochemistry-elisa/289953>