

Rabbit anti-Human PKD1 Polyclonal Antibody | anti-PKD1 antibody

PKD1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234990	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

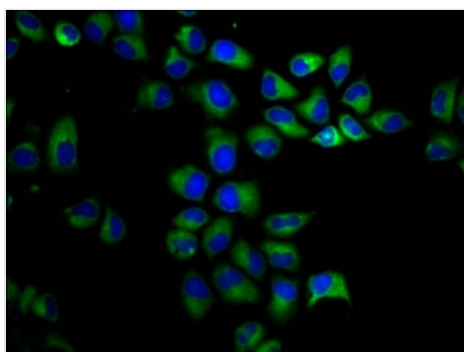
PRODUCT SYNONYMS

PKD1; Polyclonal Antibody; PKD1 Antibody; Polycystin-1; PC1; Autosomal dominant polycystic kidney disease 1 protein; anti-PKD1 antibody

PRODUCT SPECIFICATIONS

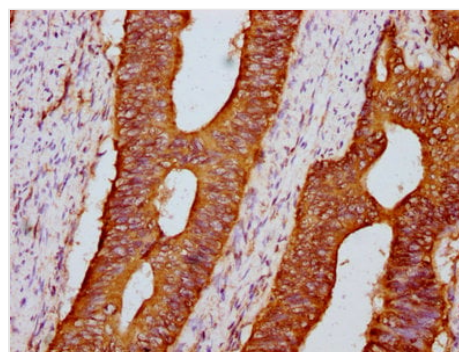
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	4302
Applicable Applications for anti-PKD1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Polycystin-1 protein (615-753AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with AAA234990 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234990 diluted at 1:600 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-PKD1 antibody	Involved in renal tubulogenesis (PubMed:12482949). Involved in fluid-flow mechanosensation by the primary cilium in renal epithelium (By similarity). Acts as a regulator of cilium length, together with PKD2 (By similarity). The dynamic control of cilium length is essential in the regulation of mechanotransductive signaling (By similarity). 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 (By similarity). May be an ion-channel regulator. Involved in adhesive protein-protein and protein-carbohydrate interactions.
Product Categories/Family for anti-PKD1 antibody	Cancer; Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	205360962
NCBI GeneID	5310
NCBI Accession #	NP_000287.3
NCBI GenBank Nucleotide #	NM_000296.3
UniProt Accession #	P98161; Q15140; Q15141
Molecular Weight	462,401 Da
NCBI Official Full Name	polycystin-1 isoform 2
NCBI Official Synonym Full Names	polycystin 1, transient receptor potential channel interacting
NCBI Official Symbol	PKD1
NCBI Official Synonym Symbols	PBP; PC1; Pc-1; TRPP1
NCBI Protein Information	polycystin-1
UniProt Protein Name	Polycystin-1
UniProt Gene Name	PKD1
UniProt Synonym Gene Names	PC1

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://stage.aaabiotech.com/polyclonal/pkd1-antibody-immunofluorescence-immunohistochemistry-elisa/234990>