

PKD1 Polyclonal Antibody

Cat No: HR1AP11132

For research use only

Overview

Product Name	PKD1 Polyclonal Antibody
Source	Rabbit
Applications	IHC-p
Species Reactivity	Human
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	473kDa
GeneID?Human?	PKD1
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	
Background	<p>polycystin 1, transient receptor potential channel interacting(PKD1) Homo sapiens This gene encodes a member of the polycystin protein family. The encoded glycoprotein contains a large N-terminal extracellular region, multiple transmembrane domains and a cytoplasmic C-tail. It is an integral membrane protein that functions as a regulator of calcium permeable cation channels and intracellular calcium homeostasis. It is also involved in cell-cell/matrix interactions and may modulate G-protein-coupled signal-transduction pathways. It plays a role in renal tubular development, and mutations in this gene cause autosomal dominant polycystic kidney disease type 1 (ADPKD1). ADPKD1 is characterized by the growth of fluid-filled cysts that replace normal renal tissue and result in end-stage renal failure. Splice variants encoding different isoforms have been noted for this gene. Also, six pseudogenes, closely linked in a known duplicated region on c</p>