

For Research Use Only

# Polycystin 1 Polyclonal antibody

Catalog Number: 22263-1-AP



## Basic Information

**Catalog Number:**

22263-1-AP

**Size:**

150ul, Concentration: 700 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_000296

**GeneID (NCBI):**

5310

**UNIPROT ID:**

P98161

**Full Name:**

polycystic kidney disease 1 (autosomal dominant)

**Calculated MW:**

463 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, ELISA

**Species Specificity:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

IHC : human liver tissue, mouse kidney tissue

## Background Information

Polycystin 1 (PC1) is also named as PKD1, and Autosomal dominant polycystic kidney disease 1 protein, and belongs to the polycystin family. PKD1 and PKD2 are formed component of a heteromeric calcium-permeable ion channel. PKD1 is considered an orphan, atypical G protein coupled receptor complexed with TRPP2 (Polycystin 2 or PKD2), a Ca<sup>2+</sup>-permeable ion channel (PMID:27214281). PKD1 is involved in renal tubulogenesis (PMID:12482949).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

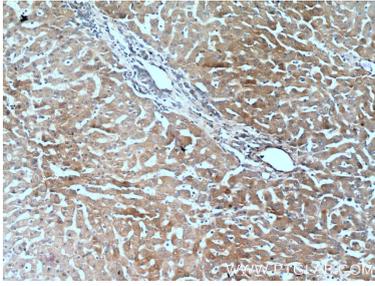
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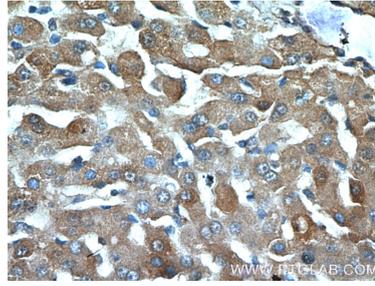
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 22263-1-AP (Polycystin 1 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 22263-1-AP (Polycystin 1 antibody at dilution of 1:200 (under 40x lens).