

For Research Use Only

# KNCN Polyclonal antibody

Catalog Number: 21532-1-AP



## Basic Information

<b>Catalog Number:</b> 21532-1-AP	<b>GenBank Accession Number:</b> BC101295	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 148930	<b>Recommended Dilutions:</b> IHC: 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> A6PVL3	
<b>Isotype:</b> IgG	<b>Full Name:</b> kinocilin	
<b>Immunogen Catalog Number:</b> AG16160	<b>Calculated MW:</b> 124 aa, 13 kDa	

## 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: mouse liver tissue,

## Background Information

Kinocilin (KNCN) was first detected in the kinocilia of vestibular and auditory hair cells at embryonic days 14.5 and 18.5, respectively. In mature auditory hair cells, KNCN was present at the cuticular plate, at the base of each stereocilium. KNCN was also expressed by the pillar cells and Deiters cells, both of which contain prominent transcellular and apical bundles of microtubules. KNCN expression was detected in both cochlear and vestibular hair cells. KNCN plays a role in stabilizing dense microtubular networks or invesicular trafficking (PMID: 30254566).

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

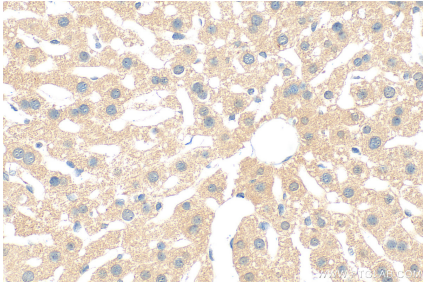
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 21532-1-AP (KCN antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).