

For Research Use Only

# KNCN Polyclonal antibody, PBS Only

Catalog Number: 21532-1-PBS



## Basic Information

Catalog Number:

21532-1-PBS

Size:

100ug, Concentration: 1 mg/ml by  
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16160

GenBank Accession Number:

BC101295

GeneID (NCBI):

148930

UNIPROT ID:

A6PVL3

Full Name:

kinocilin

Calculated MW:

124 aa, 13 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

IHC, Indirect ELISA

Species Specificity:

human, mouse

## 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 -80°C.

Storage Buffer:

PBS only, pH7.3

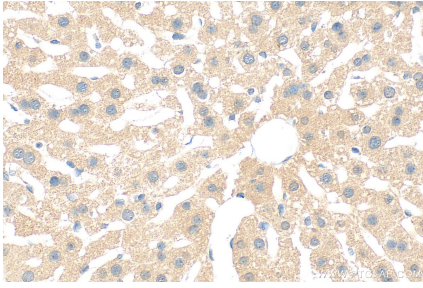
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## 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). This data was developed using the same antibody clone with 21532-1-PBS in a different storage buffer formulation.