

For Research Use Only

NPHP5/IQCB1 Polyclonal antibody

Catalog Number: 15747-1-AP

2 Publications



Basic Information

Catalog Number: 15747-1-AP	GenBank Accession Number: BC005806	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 387 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9657	Recommended Dilutions: WB 1:1000-1:5000
Source: Rabbit	Full Name: IQ motif containing B1	
Isotype: IgG	Calculated MW: 598 aa, 69 kDa	
Immunogen Catalog Number: AG8203	Observed MW: 69 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells
Cited Applications: IF	
Species Specificity: human	
Cited Species: human	

Background Information

IQCB1, also known as NPHP5, is a nephrocystin protein that interacts with calmodulin and the retinitis pigmentosa GTPase regulator protein. It has a central coiled-coil region and two calmodulin-binding IQ domains. Localized to the primary cilia of renal epithelial cells and connecting cilia of photoreceptor cells, IQCB1 is thought to play a role in ciliary function. Mutations in this gene result in Senior-Loken syndrome type 5, a juvenile disorder characterized by defects in the waste filtering system of the kidney, as well as retinal degradation.

Notable Publications

Author	Pubmed ID	Journal	Application
Antonia Wiegering	33625872	Mol Biol Cell	
Barbelanne Marine M	23446637	Hum Mol Genet	IF

Storage

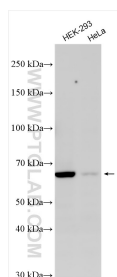
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15747-1-AP (NPHP5,IQCB1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.