

For Research Use Only

NPHP5/IQCB1 Monoclonal antibody

Catalog Number: 68404-1-Ig



Basic Information

Catalog Number: 68404-1-Ig	GenBank Accession Number: BC005806	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9657	CloneNo.: 2A9F4
Source: Mouse	Full Name: IQ motif containing B1	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG2a	Calculated MW: 598 aa, 69 kDa	
Immunogen Catalog Number: AG8203	Observed MW: 69 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human

Positive Controls:

WB : HaCaT cells, A431 cells, HT-1376 cells, Saos-2 cells, MDA-MB-468 cells, HEK-293 cells, COLO 320 cells, HL-60 cells, Daudi cells

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.

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.

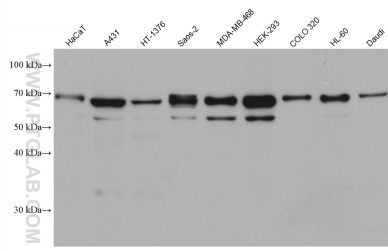
Aliquoting is unnecessary for -20°C storage

***** 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) E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68404-1-Ig (NPHP5,IQCB1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.