

For Research Use Only

NPHP5/IQCB1 Monoclonal antibody, PBS Only



Catalog Number: 68404-1-PBS

Basic Information

Catalog Number:

68404-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG8203

GenBank Accession Number:

BC005806

GeneID (NCBI):

9657

UNIPROT ID:

Q15051

Full Name:

IQ motif containing B1

Calculated MW:

598 aa, 69 kDa

Observed MW:

69 kDa

Purification Method:

Protein A purification

CloneNo.:

2A9F4

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

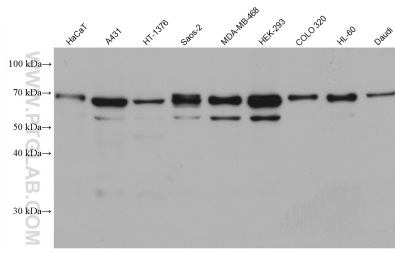
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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. This data was developed using the same antibody clone with 68404-1-PBS in a different storage buffer formulation.