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IQCB1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17066C

Specification

IQCB1 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q15051
Other Accession	NP_001018865.2, NP_001018864.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**68929**
Antigen Region	**384-411**

IQCB1 Antibody (Center) - Additional Information

Gene ID 9657

Other Names
IQ calmodulin-binding motif-containing protein 1, Nephrocystin-5, p53 and DNA damage-regulated IQ motif protein, PIQ, IQCB1, KIAA0036, NPHP5

Target/Specificity
This IQCB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 384-411 amino acids from the Central region of human IQCB1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
IQCB1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

IQCB1 Antibody (Center) - Protein Information

Name IQCB1

Synonyms KIAA0036, NPHP5

Function Involved in ciliogenesis. The function in an early step in cilia formation depends on its association with CEP290/NPHP6 (PubMed:21565611, PubMed:23446637). Involved in regulation of the BBSome complex integrity, specifically for presence of BBS2 and BBS5 in the complex, and in ciliary targeting of selected BBSome cargos. May play a role in controlling entry of the BBSome complex to cilia possibly implicating CEP290/NPHP6 (PubMed:25552655).

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Note=Localization to the centrosome depends on the interaction with CEP290/NPHP6

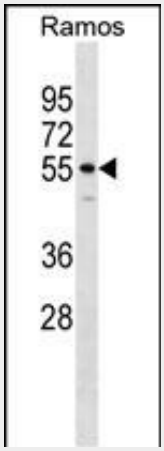
Tissue Location
Ubiquitously expressed in fetal and adult tissues. Localized to the outer segments and connecting cilia of photoreceptor cells. Up-regulated in a number of primary colorectal and gastric tumors.

IQCB1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IQCB1 Antibody (Center) - Images



IQCB1 Antibody (Center) (Cat. #AP17066c) western blot analysis in Ramos cell line lysates (35ug/lane).This demonstrates the IQCB1 antibody detected the IQCB1 protein (arrow).

IQCB1 Antibody (Center) - Background

This gene encodes a nephrocystin protein that interacts with calmodulin and the retinitis pigmentosa GTPase regulator protein. The encoded protein has a central coiled-coil region and two calmodulin-binding IQ domains. It is localized to the primary cilia of renal epithelial cells and connecting cilia of

photoreceptor cells. The protein is thought to play a role in ciliary function. Defects in this gene result in Senior-Loken syndrome type 5. Alternative splicing results in multiple transcript variants.

IQCB1 Antibody (Center) - References

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