

IQCB1 antibody

Product Information

Catalog No.:	FNab05818
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

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.

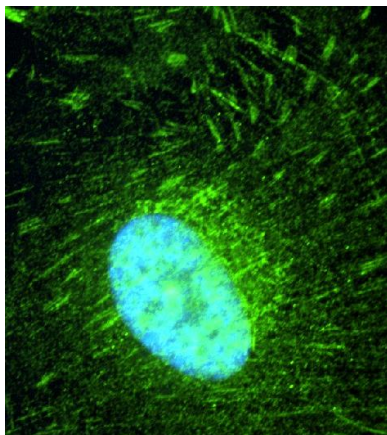
Immunogen information

Immunogen:	IQ motif containing B1
Synonyms:	IQ calmodulin-binding motif-containing protein 1 Nephrocystin-5 p53 and DNA damage-regulated IQ motif protein (PIQ) IQCB1 KIAA0036 NPHP5
Observed MW:	None
Uniprot ID :	Q15051

Application

Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, IF
Recommended dilution:IF:	1:10-1:100

Image:



IF Result of anti-NPHP5 (FNab05818,1:50) show 'focal adhesion-like' structures in human hTERT-RPE1 cells. 1% PFA fixation.