Anti-Human IQCB1 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA05249

3th Edition

Description: 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. A pseudogene of this gene is found on chromosome 6. IQCB1 (IQ Motif Containing B1) is a Protein Coding gene. Diseases associated with IQCB1 include Senior-Loken Syndrome 5 and Senior-Loken Syndrome-1. Among its related pathways are Organelle biogenesis and maintenance and Regulation of PLK1 Activity at G2/M Transition. GO annotations related to this gene include binding and calmodulin binding.

Antigen: Synthesized peptide derived from the Internal region of human Nephrocystin-5

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: 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.