

Nephrocystin-5 Polyclonal Antibody

Catalog # AP71221

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q15051
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68929

Additional Information

Gene ID	9657
Other Names	IQCB1; KIAA0036; NPHP5; OK/SW-cl.85; IQ calmodulin-binding motif-containing protein 1; Nephrocystin-5; p53 and DNA damage-regulated IQ motif protein; PIQ
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

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

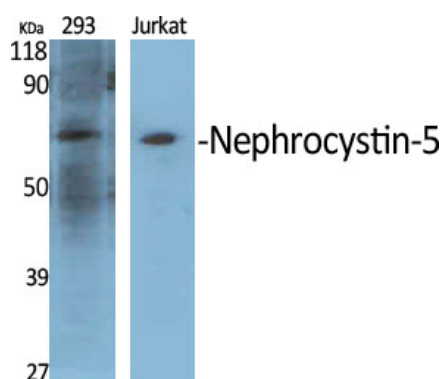
Tissue Location

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.

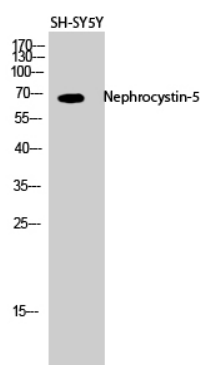
Background

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](#)).

Images



Western Blot analysis of various cells using Nephrocystin-5 Polyclonal Antibody diluted at 1 : 500



Western Blot analysis of SH-SY5Y cells using Nephrocystin-5 Polyclonal Antibody diluted at 1 : 500

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.