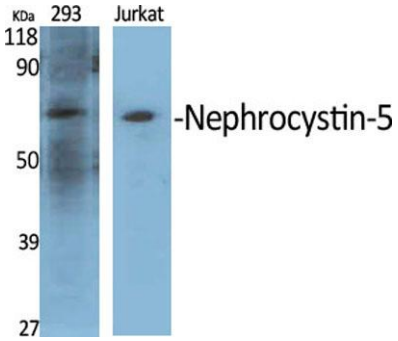
Nephrocystin-5 rabbit pAb

Cat#: orb765794 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	Nephrocystin-5 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human IQCB1. AA range:431-480
Specificity	Nephrocystin-5 Polyclonal Antibody detects endogenous levels of Nephrocystin-5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	IQ calmodulin-binding motif-containing protein 1
Gene Name	IQCB1
Cellular localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole . Localization to the centrosome depends on the interaction with CEP290/NPHP6.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	69kD
Human Gene ID	9657
Human Swiss-Prot Number	Q15051
Alternative 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
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. A pseudogene of this gene is found on chromosome 6. [provided by RefSeq, Jan 2016],



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

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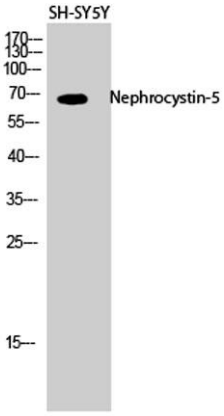
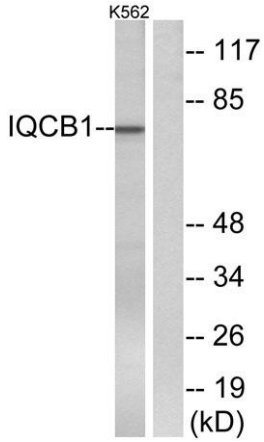
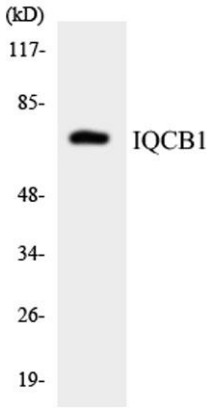


Western Blot analysis of SH-SY5Y cells using Nephrocystin-5 Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from K562 cells, using IQCB1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using IQCB1 antibody.

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