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anti-IQCB1 antibody (C-Term)

2 Images



Go to Product page

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| | | | |

| Overview | |
|----------------------|--|
| Quantity: | 100 μL |
| Target: | IQCB1 |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Mouse, Rat, Dog, Horse, Rabbit, Cow, Guinea Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IQCB1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |
| Product Details | |

| Immunogen: | The immunogen is a synthetic peptide directed towards the C terminal region of human IQCB1 | |
|-----------------------|--|--|
| Sequence: | LQHYFMGRAL EERAQQHREA LIAQISTNVE QLMKAPSLKE AEGKEPELFL | |
| Predicted Reactivity: | Cow: 92%, Dog: 100%, Guinea Pig: 92%, Horse: 100%, Human: 100%, Mouse: 92%, Rabbit: 85%, Rat: 100% | |
| Characteristics: | This is a rabbit polyclonal antibody against IQCB1. It was validated on Western Blot. | |
| Purification: | Affinity Purified | |

Target Details

| Target: | IQCB1 |
|-------------------|------------------------|
| Alternative Name: | IQCB1 (IQCB1 Products) |

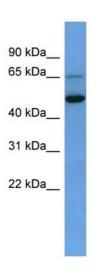
Target Details

| 9 - 1 - 1 - 1 | | |
|---------------------|---|--|
| 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. | |
| | Alias Symbols: NPHP5, PIQ, SLSN5 | |
| | Protein Interaction Partner: TUBB, KRT87P, ATP6V1G2, PRKDC, IGHG1, UBE2V1, HDAC6, | |
| | ITGA11, TWF2, XPOT, NUDT3, RAB35, CPLX1, CDIPT, TUBB4B, TUBB3, BPNT1, TUBA1B, | |
| | CALCOCO2, SEC16A, IQCB1, SGPL1, PEA15, DYNLL1, GEMIN2, HIRIP3, TUBA1A, YWHAB, | |
| | UCHL1, UBB, TUBB2A, TUBA4A, HSP90B1, TPI1, THB | |
| | Protein Size: 465 | |
| Molecular Weight: | 51 kDa | |
| Gene ID: | 9657 | |
| NCBI Accession: | NM_001023571, NP_001018865 | |
| UniProt: | Q3KS09 | |
| Application Details | | |
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. | |
| Comment: | Antigen size: 465 AA | |
| Restrictions: | For Research Use only | |
| Handling | | |
| Format: | Liquid | |
| Concentration: | Lot specific | |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % | |
| | sucrose. | |
| Preservative: | Sodium azide | |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which | |
| | should be handled by trained staff only. | |
| Handling Advice: | Avoid repeated freeze-thaw cycles. | |
| | | |

Handling

| Storage: | -20 °C |
|------------------|---|
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



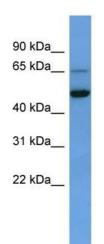
Western Blotting

Image 1. WB Suggested Anti-IQCB1 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: Human heart



Rabbit Anti-IQCB1 Antibody Catalog Number: ARP59790 Lot Number: QC30727 Lane: Fetal Heart Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-IQCB1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.2500

Positive Control: Human heart