

Rabbit IQCB1 Polyclonal Antibody | anti-IQCB1 antibody

IQCB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234137	Rabbit	Human, Rat, Mouse	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

IQCB1; Polyclonal Antibody; IQCB1 Antibody; IQ calmodulin-binding motif-containing protein 1; Nephrocystin-5; p53 and DNA damage-regulated IQ motif protein; PIQ; KIAA0036; NPHP5; OK/SW-cl.85; anti-IQCB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	598
Applicable Applications for anti-IQCB1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human IQ calmodulin-binding motif-containing protein 1 protein (445-598AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

IHC image of AAA234137 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated ABC system.



IHC (Immunohistochemistry)

IHC image of AAA234137 diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: Rat lung tissue, Mouse kidney tissueAll lanes: IQCB1 antibody at 3.2ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 69, 54, 35 KDaObserved band size: 69 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-IQCB1 antibody	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).
Product Categories/Family for anti-IQCB1 antibody	Neuroscience; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	170014684
NCBI GeneID	9657
NCBI Accession #	NP_001018864.2
NCBI GenBank Nucleotide #	NM_001023570.3
UniProt Accession #	Q15051; Q3KS08; Q3KS09; Q5DKQ7; Q8NI79; Q9BS08
Molecular Weight	34,132 Da
NCBI Official Full Name	IQ calmodulin-binding motif-containing protein 1 isoform a
NCBI Official Synonym Full Names	IQ motif containing B1
NCBI Official Symbol	IQCB1
NCBI Official Synonym Symbols	PIQ; NPHP5; SLSN5
NCBI Protein Information	IQ calmodulin-binding motif-containing protein 1
UniProt Protein Name	IQ calmodulin-binding motif-containing protein 1
UniProt Gene Name	IQCB1
UniProt Synonym Gene Names	KIAA0036; NPHP5; PIQ

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/iqcb1-antibody-immunohistochemistry-western-blot-elisa/234137>