

Anti-Cubilin CUBN Rabbit Monoclonal Antibody
Catalog # ABO13881

Specification

Anti-Cubilin CUBN Rabbit Monoclonal Antibody - Product Information

Application	WB
Primary Accession	O60494
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-Cubilin CUBN Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human.

Anti-Cubilin CUBN Rabbit Monoclonal Antibody - Additional Information

Gene ID 8029

Other Names

Cubilin, 460 kDa receptor, Intestinal intrinsic factor receptor, Intrinsic factor-cobalamin receptor, Intrinsic factor-vitamin B12 receptor, CUBN, IFCR

Calculated MW

398736 MW KDa

Application Details

WB 1:500-1:2000

Subcellular Localization

Apical cell membrane ; Peripheral membrane protein. Cell membrane ; Peripheral membrane protein. Membrane, coated pit. Endosome. Lysosome membrane ; Peripheral membrane protein. Colocalizes with AMN and LRP2 in the endocytotic apparatus of epithelial cells..

Tissue Specificity

Expressed in kidney proximal tubule cells, placenta, visceral yolk-sac cells and in absorptive intestinal cells. Expressed in the epithelium of intestine and kidney.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Cubilin

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Cubilin CUBN Rabbit Monoclonal Antibody - Protein Information**Name** CUBN**Synonyms** IFCR**Function**

Endocytic receptor which plays a role in lipoprotein, vitamin and iron metabolism by facilitating their uptake (PubMed:10371504, PubMed:11606717, PubMed:11717447, PubMed:14576052, PubMed:9572993). Acts together with LRP2 to mediate endocytosis of high-density lipoproteins, GC, hemoglobin, ALB, TF and SCGB1A1. Acts together with AMN to mediate endocytosis of the CBLIF-cobalamin complex (PubMed:14576052, PubMed:9572993). Binds to ALB, MB, Kappa and lambda- light chains, TF, hemoglobin, GC, SCGB1A1, APOA1, high density lipoprotein, and the CBLIF-cobalamin complex. Ligand binding requires calcium (PubMed:9572993). Serves as important transporter in several absorptive epithelia, including intestine, renal proximal tubules and embryonic yolk sac. May play an important role in the development of the peri-implantation embryo through internalization of APOA1 and cholesterol. Binds to LGALS3 at the maternal-fetal interface.

Cellular Location

Apical cell membrane {ECO:0000250|UniProtKB:Q9JLB4}; Peripheral membrane protein. Cell membrane; Peripheral membrane protein {ECO:0000305, ECO:0000305|PubMed:30523278}. Membrane, coated pit. Endosome. Lysosome membrane {ECO:0000250|UniProtKB:O70244}; Peripheral membrane protein. Note=Lacks a transmembrane domain and depends on interaction with AMN for location at the plasma membrane (PubMed:29402915, PubMed:30523278). Colocalizes with AMN and LRP2 in the endocytotic apparatus of epithelial cells (By similarity) {ECO:0000250|UniProtKB:O70244, ECO:0000269|PubMed:29402915, ECO:0000269|PubMed:30523278}

Tissue Location

Detected in kidney cortex (at protein level) (PubMed:9572993). Expressed in kidney proximal tubule cells, placenta, visceral yolk-sac cells and in absorptive intestinal cells. Expressed in the epithelium of intestine and kidney

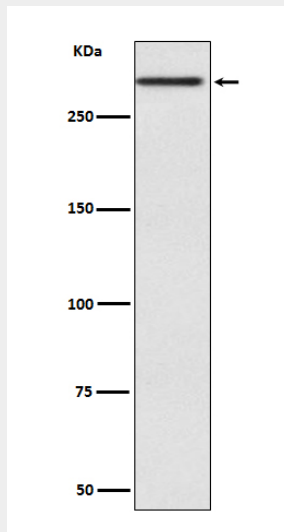
Anti-Cubilin CUBN Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Cubilin CUBN Rabbit Monoclonal Antibody - Images



Western blot analysis of Cubilin expression in Human fetal kidney lysate.