

Rabbit anti-Human Cubilin Polyclonal Antibody | anti-CUBN antibody

Cubilin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323661	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

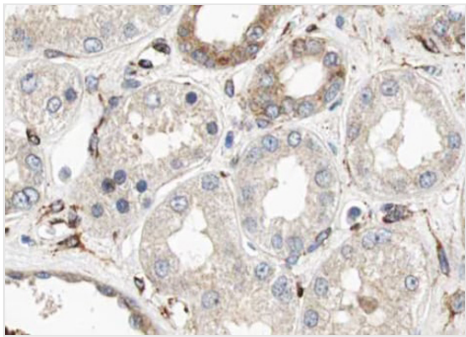
PRODUCT SYNONYMS

Cubilin; Polyclonal Antibody; Cubilin Antibody; 460 kDa receptor; cubilin (intrinsic factor-cobalamin receptor); Cubilin precursor; Cubn; CUBN_HUMAN; IFCR; Intestinal intrinsic factor receptor; intrinsic factor B12-receptor; Intrinsic factor-cobalamin receptor; Intrinsic factor-vitamin B12 receptor; megaloblastic anemia 1; MGA1; anti-CUBN antibody

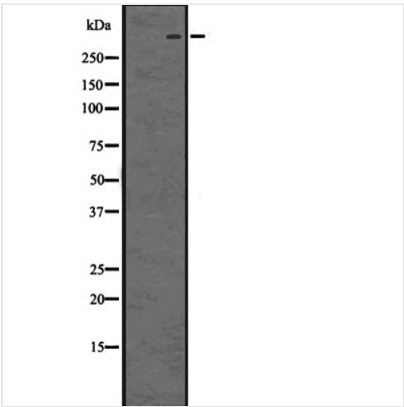
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Cubilin antibody detects endogenous levels of total Cubilin
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	3623
Applicable Applications for anti-CUBN antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cubilin
Subcellular Location	Endosome Membrane. Lysosome Membrane. 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.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken
Similarity	Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Dog (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323661 at 1/100 staining Human kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Cubilin using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CUBN antibody	Function: Cotransporter which plays a role in lipoprotein, vitamin and iron metabolism, by facilitating their uptake. Binds to ALB, MB, Kappa and lambda-light chains, TF, hemoglobin, GC, SCGB1A1, APOA1, high density lipoprotein, and the GIF-cobalamin complex. The binding of all ligands requires calcium. Serves as important transporter in several absorptive epithelia, including intestine, renal proximal tubules and embryonic yolk sac. Interaction with LRP2 mediates its trafficking throughout vesicles and facilitates the uptake of specific ligands like GC, hemoglobin, ALB, TF and SCGB1A1. Interaction with AMN controls its trafficking to the plasma membrane and facilitates endocytosis of ligands. 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. Subunit Structure: Interacts with LRP2 in a dual-receptor complex in a calcium-dependent manner. Component of the cubam complex composed of CUBN and AMN. The cubam complex can oligomerize and form cubam trimers. Found in a complex with PID1/PCL11, LRP1 and CUBNI. Interacts with LRP1 and PID1/PCL11. Post-translational Modifications: The precursor is cleaved by a trans-Golgi proteinase furin. The result is a propeptide cleaved off. N-glycosylated. Similarity: The CUB domains 5 to 8 mediate binding to GIF and ALB. CUB domains 1 and 2 mediate interaction with LRP2.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	126091152
NCBI GeneID	8029
NCBI Accession #	NP_001072.2
NCBI GenBank Nucleotide #	NM_001081.3
UniProt Accession #	O60494; Q5VTA6; Q96RU9; B0YIZ4
Molecular Weight	Observed: 399 kDa Predicted: 399 kDa
NCBI Official Full Name	cubilin
NCBI Official Synonym Full Names	cubilin
NCBI Official Symbol	CUBN
NCBI Official Synonym Symbols	IFCR; MGA1; gp280
NCBI Protein Information	cubilin
UniProt Protein Name	Cubilin
UniProt Gene Name	CUBN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cubilin-antibody-immunohistochemistry-western-blot-elisa/323661>