

Rabbit CLCN5 Polyclonal Antibody | anti-CLCN5 antibody

CLCN5 Antibody

CATALOG # AAA327166	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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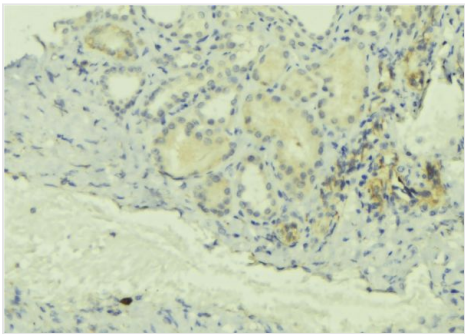
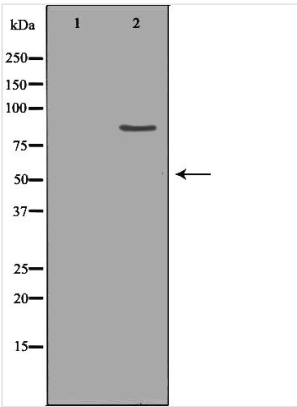
PRODUCT SYNONYMS

CLCN5; Polyclonal Antibody; CLCN5 Antibody; Chloride channel protein 5; Chloride channel voltage sensitive 5; Chloride transporter CIC-5; CIC-5; CLC5; CLCK2; CLCN5_HUMAN; DENTS; H(+)/Cl(-) exchange transporter 5; hCIC-K2; NPHL1; NPHL2; Voltage gated chloride ion channel CLCN5; XLRH; XRN; anti-CLCN5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CLCN5 antibody detects endogenous levels of total CLCN5
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	746
Applicable Applications for anti-CLCN5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CLCN5
Subcellular Location	Golgi Apparatus Membrane. Endosome Membrane. Cell Membrane.
Tissue Specificity	Kidney. Moderately expressed in aortic vascular smooth muscle and endothelial cells, and at a slightly higher level in the coronary vascular smooth muscle.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (83%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (83%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327166 at 1/100 staining Mouse 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 Hepg2 whole cell lysates, using CLCN5 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CLCN5 antibody	Description: This gene encodes a member of the CIC family of chloride ion channels and ion transporters. The encoded protein is primarily localized to endosomal membranes and may function to facilitate albumin uptake by the renal proximal tubule. Mutations in this gene have been found in Dent disease and renal tubular disorders complicated by nephrolithiasis. Alternatively spliced transcript variants have been found for this gene. Function: Proton-coupled chloride transporter. Functions as antiport system and exchanges chloride ions against protons. Important for normal acidification of the endosome lumen. May play an important role in renal tubular function. Subunit Structure: Interacts with NEDD4 and NEDD4L. Post-translational Modifications: Ubiquitinated by NEDD4L in the presence of albumin; which promotes endocytosis and proteasomal degradation. Similarity: Belongs to the chloride channel (TC 2.A.49) family. CIC-5/CLCN5 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557473
NCBI GeneID	1184
NCBI Accession #	NP_000075.1
NCBI GenBank Nucleotide #	NM_000084.4
UniProt Accession #	P51795; Q5JQD5; Q7RTN8; A1L475; B3KPN6
Molecular Weight	Observed: 83 kDa Predicted: 84 kDa
NCBI Official Full Name	H(+)/Cl(-) exchange transporter 5 isoform b
NCBI Official Synonym Full Names	chloride voltage-gated channel 5
NCBI Official Symbol	CLCN5
NCBI Official Synonym Symbols	XRN; CLC5; XLRH; CLCK2; CIC-5; DENTS; NPHL1; NPHL2; hCIC-K2
NCBI Protein Information	H(+)/Cl(-) exchange transporter 5
UniProt Protein Name	H(+)/Cl(-) exchange transporter 5
UniProt Gene Name	CLCN5
UniProt Synonym Gene Names	CLCK2; CIC-5

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/clcn5-antibody-immunohistochemistry-western-blot-elisa/327166>