Rabbit CLCN7 Polyclonal Antibody | anti-CLCN7 antibody

CLCN7 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287778	**Rabbit**	**Human (Predicted Reactivity: Bovine, Mouse, Rat)**	**Immunofluorescence, Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

CLCN7; Polyclonal Antibody; CLCN7 Antibody (C-term); H(+)/Cl(-) exchange transporter 7; Chloride channel 7 alpha subunit; Chloride channel protein 7; ClC-7; anti-CLCN7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CLCN7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 692-720 amino acids from the C-terminal region of human CLCN7.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	692-720
Sequence Length	781
Applicable Applications for anti-CLCN7 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

IF (Immunofluorescence)
Confocal immunofluorescent analysis of CLCN7 Antibody (C-term) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

IHC (Immunohiostchemistry)
CLCN7 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CLCN7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

WB (Western Blot)
CLCN7 Antibody (C-term) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the CLCN7 antibody detected the CLCN7 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CLCN7 antibody	The product of this gene belongs to the CLC chloride channel family of proteins. Chloride channels play important roles in the plasma membrane and in intracellular organelles. This gene encodes chloride channel 7. Defects in this gene are the cause of osteopetrosis autosomal recessive type 4 (OPTB4), also called infantile malignant osteopetrosis type 2 as well as the cause of autosomal dominant osteopetrosis type 2 (OPTA2), also called autosomal dominant Albers-Schonberg disease or marble disease autosoml dominant. Osteopetrosis is a rare genetic disease characterized by abnormally dense bone, due to defective resorption of immature bone. OPTA2 is the most common form of osteopetrosis, occurring in adolescence or adulthood.
Product Categories/Family for anti-CLCN7 antibody	Metabolism; Signal Transduction
References	Furthner, D., et al. Klin Padiatr 222(3):180-183(2010) Phadke, S.R., et al. Indian J. Med. Res. 131, 508-514 (2010) : Pangrazio, A., et al. Hum. Mutat. 31 (1), E1071-E1080 (2010) : Kajiya, H., et al. Pflugers Arch. 458(6):1049-1059(2009) Mazzolari, E., et al. Am. J. Hematol. 84(8):473-479(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	167466160
NCBI GeneID	1186
NCBI Accession #	NP_001107803.1; NP_001278.1
NCBI GenBank Nucleotide #	NM_001114331.2
UniProt Accession #	P51798; Q9NYX5; A6NEJ7; A8K5T9; A8K7X1; B3KPN3; E9PDB9
Molecular Weight	88679
NCBI Official Full Name	H(+)/Cl(-) exchange transporter 7 isoform b
NCBI Official Synonym Full Names	chloride channel, voltage-sensitive 7
NCBI Official Symbol	CLCN7
NCBI Official Synonym Symbols	CLC7; CLC-7; OPTA2; OPTB4; PPP1R63
NCBI Protein Information	H(+)/Cl(-) exchange transporter 7
UniProt Protein Name	H(+)/Cl(-) exchange transporter 7
UniProt Gene Name	**CLCN7**
UniProt Synonym Gene Names	ClC-7
UniProt Entry Name	CLCN7_HUMAN

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/clcn7-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/287778