

Chloride Channel 5 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54247

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P51795
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	90785

Additional Information

Gene ID	1184
Other Names	H(+)/Cl(-) exchange transporter 5, Chloride channel protein 5, CLC-5, Chloride transporter CLC-5, CLCN5, CLCK2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CLCN5 (HGNC:2023)
Synonyms	CLCK2
Function	Proton-coupled chloride transporter. Functions as antiport system and exchanges chloride ions against protons (PubMed: 20466723). Important for normal acidification of the endosome lumen. May play an important role in renal tubular function. The CLC channel family contains both chloride channels and proton-coupled anion transporters that exchange chloride or another anion for protons. The absence of conserved gating glutamate residues is typical for family members that function as channels (Probable).
Cellular Location	Golgi apparatus membrane; Multi-pass membrane protein. Endosome membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein
Tissue Location	Kidney. Moderately expressed in aortic vascular smooth muscle and endothelial cells, and at a slightly higher level in the coronary vascular smooth muscle.

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