

# CLC-4 Polyclonal Antibody

Catalog # AP69142

## **Product Information**

Application	WB, IF
Primary Accession	<u>P51793</u>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84917

#### **Additional Information**

Gene ID	1183
Other Names	CLCN4; H(+)/Cl(-) exchange transporter 4; Chloride channel protein 4; ClC-4; Chloride transporter ClC-4
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications. IF~~1:50~200
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

#### **Protein Information**

Name	CLCN4
Function	Strongly outwardly rectifying, electrogenic H(+)/Cl(-)exchanger which mediates the exchange of chloride ions against protons (PubMed: <u>18063579</u> , PubMed: <u>23647072</u> , PubMed: <u>25644381</u> , PubMed: <u>27550844</u> , PubMed: <u>28972156</u> ). The CLC channel family contains both chloride channels and proton-coupled anion transporters that exchange chloride or another anion for protons (PubMed: <u>29845874</u> ). The presence of conserved gating glutamate residues is typical for family members that function as antiporters (PubMed: <u>29845874</u> ).
Cellular Location	Early endosome membrane {ECO:0000250   UniProtKB:P51794}; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Recycling endosome membrane; Multi-pass membrane protein. Note=Localizes to late endosome membrane, lysosome membrane and recycling endosome membrane in the presence of CLCN3

#### **Tissue Location**

### Background

Proton-coupled chloride transporter. Functions as antiport system and exchanges chloride ions against protons.

#### Images



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.