

CLCN4 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51090**Specification**

CLCN4 Antibody - Product Information

Application	WB
Primary Accession	P51793
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	85 KDa
Antigen Region	201 - 260

CLCN4 Antibody - Additional Information**Gene ID** 1183**Other Names**

H(+)/Cl(-) exchange transporter 4, Chloride channel protein 4, CLC-4, Chloride transporter CLC-4, CLCN4

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CLCN4. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

CLCN4 Antibody - Protein Information**Name** CLCN4**Function**

Strongly outwardly rectifying, electrogenic H(+)/Cl(-)exchanger which mediates the exchange of chloride ions against protons (PubMed:18063579, PubMed:23647072, PubMed:25644381, PubMed:27550844, PubMed:28972156). The CLC channel family contains both chloride channels and proton-coupled anion transporters that exchange chloride or another anion for protons

(PubMed:29845874). The presence of conserved gating glutamate residues is typical for family members that function as antiporters (PubMed:29845874).

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

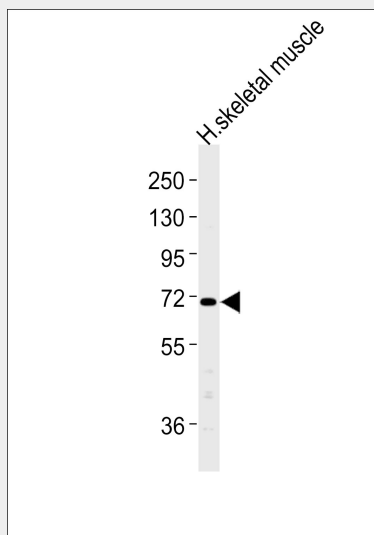
Abundant in skeletal muscle and also detectable in brain and heart

CLCN4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CLCN4 Antibody - Images



Anti-CHML Antibody at 1:1000 dilution + H.skeletal muscle tissue lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 74 kDa. Blocking/Dilution buffer: 5% NFDN/TBST.

CLCN4 Antibody - Background

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

against protons.

CLCN4 Antibody - References

van Slegtenhorst M.A.,et al.Hum. Mol. Genet. 3:547-552(1994).
Kawasaki M.,et al.Am. J. Physiol. 277:C948-C954(1999).
Rae J.L.,et al.Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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