

CLC-4 Polyclonal Antibody
Catalog # AP69142**Specification**

CLC-4 Polyclonal Antibody - Product Information

Application	WB, IF
Primary Accession	P51793
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

CLC-4 Polyclonal Antibody - 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

CLC-4 Polyclonal 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

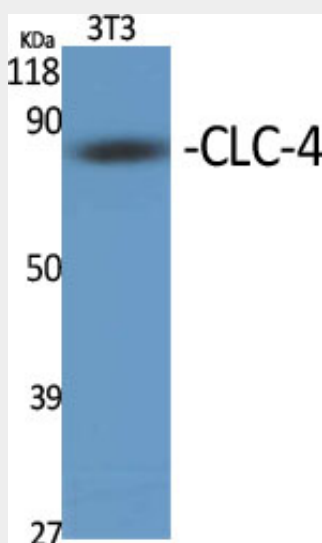
Tissue Location

Abundant in skeletal muscle and also detectable in brain and heart

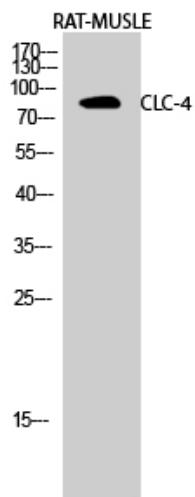
CLC-4 Polyclonal Antibody - Protocols

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](#)

CLC-4 Polyclonal Antibody - Images

Western Blot analysis of various cells using CLC-4 Polyclonal Antibody diluted at 1:500



Western Blot analysis of RAT-MUSCLE cells using CLC-4 Polyclonal Antibody diluted at 1:500

CLC-4 Polyclonal Antibody - Background

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