

[26510092](http://www.uniprot.org/citations/26510092), PubMed: [7951242](http://www.uniprot.org/citations/7951242), PubMed: [8112288](http://www.uniprot.org/citations/8112288), PubMed: [8130334](http://www.uniprot.org/citations/8130334), PubMed: [9122265](http://www.uniprot.org/citations/9122265), PubMed: [9565403](http://www.uniprot.org/citations/9565403), PubMed: [9736777](http://www.uniprot.org/citations/9736777)). Forms a homodimeric channel where each subunit has its own ion conduction pathway. Conducts double-barreled currents controlled by two types of gates, two fast glutamate gates that control each subunit independently and a slow common gate that opens and shuts off both subunits simultaneously. Has a significant open probability at muscle resting potential and is further activated upon membrane depolarization (PubMed: [10051520](http://www.uniprot.org/citations/10051520), PubMed: [10962018](http://www.uniprot.org/citations/10962018), PubMed: [29809153](http://www.uniprot.org/citations/29809153), PubMed: [31022181](http://www.uniprot.org/citations/31022181)). Permeable to small monovalent anions with ion selectivity for chloride > thiocyanate > bromide > nitrate > iodide (PubMed: [9122265](http://www.uniprot.org/citations/9122265), PubMed: [9565403](http://www.uniprot.org/citations/9565403)).

Cellular Location

Cell membrane; Multi-pass membrane protein Cell membrane, sarcolemma {ECO:0000250|UniProtKB:Q64347}; Multi-pass membrane protein. Cell membrane, sarcolemma, T-tubule {ECO:0000250|UniProtKB:Q64347}; Multi-pass membrane protein

Tissue Location

Predominantly expressed in skeletal muscles.

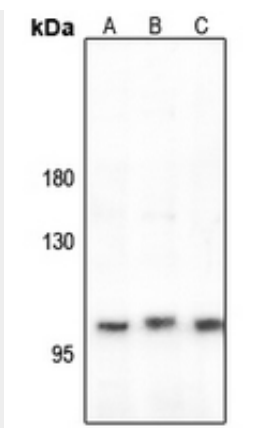
Anti-CLCN1 Antibody - Protocols

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](#)

Anti-CLCN1 Antibody - Images





Western blot analysis of CLCN1 expression in Hela (A), MG63 (B), mouse muscle (C) whole cell lysates.

Anti-CLCN1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CLCN1. The exact sequence is proprietary.