

CLCN7 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51746

Specification

CLCN7 Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | WB, ICC, E |
| Primary Accession | P51798 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 89 KDa |

CLCN7 Antibody - Additional Information

Gene ID 1186

Other Names

H(+)/Cl(-) exchange transporter 7, Chloride channel 7 alpha subunit, Chloride channel protein 7, ClC-7, CLCN7

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

CLCN7 Antibody - Protein Information

Name CLCN7 ([HGNC:2025](#))

Function

Slowly voltage-gated channel mediating the exchange of chloride ions against protons (PubMed:[18449189](http://www.uniprot.org/citations/18449189), PubMed:[21527911](http://www.uniprot.org/citations/21527911)). Functions as antiporter and contributes to the acidification of the lysosome lumen and may be involved in maintaining lysosomal pH (PubMed:[18449189](http://www.uniprot.org/citations/18449189), PubMed:[21527911](http://www.uniprot.org/citations/21527911), PubMed:[31155284](http://www.uniprot.org/citations/31155284)). The CLC channel family contains both chloride channels and proton-coupled anion transporters that exchange chloride or another anion for protons (By similarity). The presence of conserved gating glutamate residues is typical for family members that function as antiporters (By similarity).

Cellular Location

Lysosome membrane; Multi-pass membrane protein

Tissue Location

Brain and kidney..

CLCN7 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](#)

CLCN7 Antibody - Images

CLCN7 Antibody - Background

Slowly voltage-gated channel mediating the exchange of chloride ions against protons. Functions as antiporter and contributes to the acidification of the lysosome lumen.

CLCN7 Antibody - References

Rae J.L., et al. Submitted (JAN-2000) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Martin J., et al. Nature 432:988-994(2004).
Brandt S., et al. FEBS Lett. 377:15-20(1995).
Eggermont J., et al. Biochim. Biophys. Acta 1397:156-160(1998).