

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

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**CLCN7 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, ICC, E             |
| Primary Accession | <a href="#">P51798</a> |
| 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, CIC-7, CLCN7

**Dilution**

WB~~1:1000

ICC~~N/A

E~~N/A

**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).