

CLC-7 Polyclonal Antibody
Catalog # AP69144**Specification**

CLC-7 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P51798
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

CLC-7 Polyclonal Antibody - Additional Information**Gene ID** 1186**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

CLC-7 Polyclonal Antibody - Protein Information**Name** CLCN7 ([HGNC:2025](#))**Function**

Slowly voltage-gated channel mediating the exchange of chloride ions against protons (PubMed:18449189, PubMed:21527911). Functions as antiporter and contributes to the acidification of the lysosome lumen and may be involved in maintaining lysosomal pH (PubMed:18449189, PubMed:21527911, PubMed: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

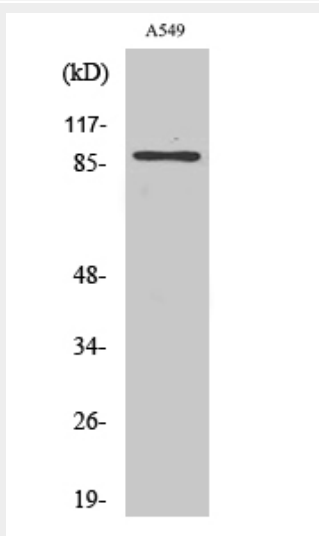
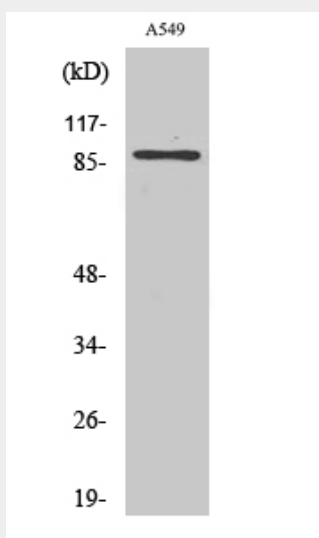
Tissue Location

Brain and kidney..

CLC-7 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-7 Polyclonal Antibody - Images

CLC-7 Polyclonal 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.