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CLC-7 Polyclonal Antibody

Catalog # AP69144

Product Information

Application	WB, E
Primary Accession	P51798
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	88679

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. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

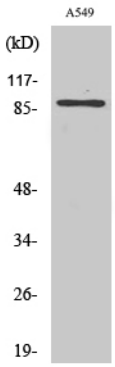
Protein Information

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..

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.

Images



Western Blot analysis of A549 cells using CLC-7 Polyclonal Antibody diluted at 1：500

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.