

CLCN6 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51091

Product Information

Application	WB
Primary Accession	P51797
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97289

Additional Information

Gene ID	1185
Other Names	Chloride transport protein 6, Chloride channel protein 6, CIC-6, CLCN6, KIAA0046
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CLCN6. The exact sequence is proprietary.
Dilution	WB~~1:1000
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

Protein Information

Name	CLCN6 (HGNC:2024)
Synonyms	KIAA0046
Function	Voltage-gated channel mediating the exchange of chloride ions against protons. Functions as antiporter and contributes to the acidification of the late endosome lumen. The CLC channel family contains both chloride channels and proton-coupled anion transporters that exchange chloride or another anion for protons. The presence of conserved gating glutamate residues is typical for family members that function as antiporters.
Cellular Location	Late endosome membrane; Multi-pass membrane protein
Tissue Location	Testis, ovary, small intestine, brain and skeletal muscle. Low level expression in aortic and coronary vascular smooth muscle cells, and aortic endothelial cells. Isoform 3 is only detected in kidney.

Background

Chloride transport protein, initially identified as voltage-gated chloride channel. The presence of the conserved gating glutamate residues suggests that it functions as antiporter.

References

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Eggermont J.,et al.Biochem. J. 325:269-276(1997).
Kornak U.,et al.Biochim. Biophys. Acta 1447:100-106(1999).
Nomura N.,et al.DNA Res. 1:223-229(1994).
Nakajima D.,et al.DNA Res. 9:99-106(2002).

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