

CLCN2 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3183a**Specification**

CLCN2 Antibody (internal region) - Product Information

Application	WB
Primary Accession	P51788
Other Accession	NP_004357.3 , 1181 , 12724 (mouse) , 29232 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Rabbit, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	98535

CLCN2 Antibody (internal region) - Additional Information**Gene ID** 1181**Other Names**

Chloride channel protein 2, CIC-2, CLCN2

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CLCN2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

CLCN2 Antibody (internal region) - Protein Information**Name** CLCN2**Function**

Voltage-gated chloride channel. Chloride channels have several functions including the regulation of cell volume, membrane potential stabilization, signal transduction and transepithelial transport. Involved in the regulation of aldosterone production. The opening of CLCN2 channels at hyperpolarized membrane potentials in the glomerulosa causes cell membrane depolarization, activation of voltage-gated Ca²⁺ channels and increased expression of aldosterone synthase, the rate-limiting enzyme for aldosterone biosynthesis (PubMed:29403011, PubMed:29403012).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Ubiquitously expressed. Moderately expressed in aortic and coronary vascular smooth muscle cells and expressed at a low level in aortic endothelial cells. Expressed in the adrenal gland, predominantly in the zona glomerulosa (PubMed:29403011)

CLCN2 Antibody (internal region) - 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](#)

CLCN2 Antibody (internal region) - Images



AF3183a (0.3 µg/ml) staining of HeLa lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

CLCN2 Antibody (internal region) - Background

This antibody is expected to recognize all reported isoforms (NP_004357.3; NP_001164558.1; NP_001164559.1; NP_001164560.1).

CLCN2 Antibody (internal region) - References

Rapid recycling of CLC-2 chloride channels between plasma membrane and endosomes: role of a

tyrosine endocytosis motif in surface retrieval. Cornejo I, Niemeyer MI, Zúñiga L, Yusef YR, Sepúlveda FV, Cid LP. J Cell Physiol. 2009 Dec;221(3):650-7. PMID: 19711355