

## Product datasheet

info@arigobio.com

# ARG58387 anti-CLCN5 antibody

Package: 100 μl Store at: -20°C

#### **Summary**

Product Description Rabbit Polyclonal antibody recognizes CLCN5

Tested Reactivity Hu, Ms
Tested Application WB
Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name CLCN5

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 637-816 of Human CLCN5 (NP\_001121370.1).

Conjugation Un-conjugated

Alternate Names XRN; CLC5; XLRH; CLCK2; CIC-5; DENTS; NPHL1; NPHL2; hCIC-K2; H(+)/CI(-) exchange transporter 5;

Chloride channel protein 5; CIC-5; Chloride transporter CIC-5

### **Application Instructions**

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SW480	
Observed Size	100 kDa	
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#### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol CLCN5

Gene Full Name chloride channel, voltage-sensitive 5

Background This gene encodes a member of the CIC family of chloride ion channels and ion transporters. The

encoded protein is primarily localized to endosomal membranes and may function to facilitate albumin uptake by the renal proximal tubule. Mutations in this gene have been found in Dent disease and renal tubular disorders complicated by nephrolithiasis. Alternatively spliced transcript variants have been

found for this gene. [provided by RefSeq, Jan 2013]

Function Proton-coupled chloride transporter. Functions as antiport system and exchanges chloride ions against

protons. Important for normal acidification of the endosome lumen. May play an important role in

renal tubular function. [UniProt]

Calculated Mw 83 kDa

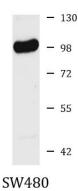
PTM Ubiquitinated by NEDD4L in the presence of albumin; which promotes endocytosis and proteasomal

degradation. [UniProt]

Cellular Localization Golgi apparatus membrane, Multi-pass membrane protein, Endosome membrane, Cell membrane.

[UniProt]

#### **Images**



#### ARG58387 anti-CLCN5 antibody WB image

Western blot: 25  $\mu g$  of SW480 cell lysate stained with ARG58387 anti-CLCN5 antibody at 1:1000 dilution.