

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(+)/Cl(-) exchange transporter 5; Chloride channel protein 5; CLC-5; Chloride transporter CIC-5

Application Instructions

Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> </table>	Application	Dilution	WB	1:500 - 1:2000
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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				

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

