Datasheet for ABIN390308

anti-CLCN4 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	CLCN4
Binding Specificity:	AA 663-689, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CLCN4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CLC4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 663-689 amino acids from the C-terminal region of human CLC4.
Clone:	RB0752
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	CLCN4

Target Details

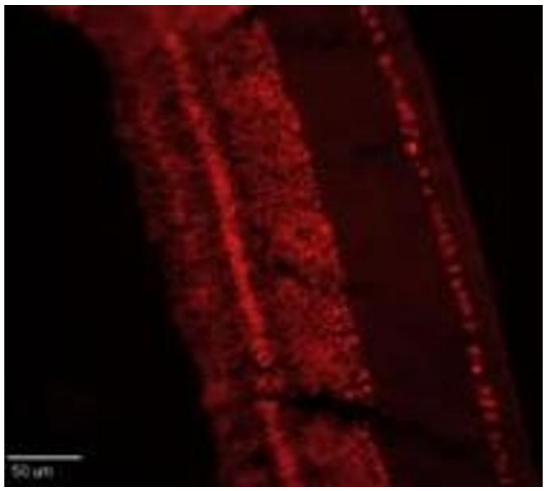
Alternative Name:	CLC4 (CLCN4 Products)
Background:	The CLCN family of voltage-dependent chloride channel genes comprises nine members (CLCN1-7, Ka and Kb) which demonstrate quite diverse functional characteristics while sharing significant sequence homology. Chloride channel 4 has an evolutionary conserved CpG island and is conserved in both mouse and hamster. This gene is mapped in close proximity to APXL (Apical protein Xenopus laevis-like) and OA1 (Ocular albinism type I), which are both located on the human X chromosome at band p22.3. The physiological role of chloride channel 4 remains unknown but may contribute to the pathogenesis of neuronal disorders.
Molecular Weight:	84917
Gene ID:	1183
NCBI Accession:	NP_001821
UniProt:	P51793

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P-Leica: 1:10~50
Restrictions:	For Research Use only

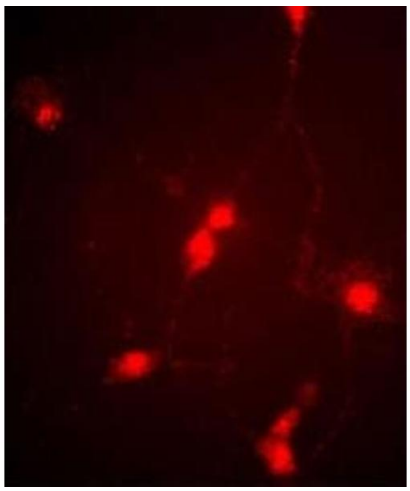
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Retinae were collected from adult White Leghorn chicken and fixed in the eyecup for two hours in 4 % Paraformaldehyde (in PBS). Retinae were then removed from the eyecups and incubated in 30 % sucrose (in PBS) overnight. Retinal tissue was embedded and frozen in OCT compound and cut into ~15um sections on a cryotome. Sections were blocked in 5 % normal goat serum (in 1 %BSA/.1 %saponin PBS) for one hour and then incubated at RT with 1:250 (1 %BSA/.1 % saponin PBS) ClC4 antibody f for 1 hour. Sections were then washed in PBS (3X10 minutes) and then treated with secondary antibody (1:500 Cy3) for one hour. After another PBS wash series, sections were coverslipped and antibody labeling was visualized at 20X with a Leica upright microscope using a TRITC filter set and Xenon lamp illumination. (Crousillac et al, 2003)



Immunofluorescence

Image 2. Immunofluorescence image of cultured chick retinal amacrine (neuronal) cells labeled with CLC4 Antibody (C-term) (Cat f). Data courtesy of Emily McMains, Louisiana State University.

Western Blotting

Image 3. Western blot of chicken brain tissue incubated with CLC4 Antibody (C-term) f. Data courtesy of Emily McMains, Louisiana State University.

