

Anti-CLCC1 Antibody
Rabbit polyclonal antibody to CLCC1
Catalog # AP59815**Specification**

Anti-CLCC1 Antibody - Product Information

Application	WB
Primary Accession	Q96S66
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62023

Anti-CLCC1 Antibody - Additional Information**Gene ID** 23155**Other Names**

KIAA0761; MCLC; Chloride channel CLIC-like protein 1; Mid-1-related chloride channel protein 1

Target/Specificity

Recognizes endogenous levels of CLCC1 protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-CLCC1 Antibody - Protein Information**Name** CLCC1 {ECO:0000303|PubMed:37142673, ECO:0000312|HGNC:HGNC:29675}**Function**

Anion-selective channel with Ca(2+)-dependent and voltage- independent gating. Permeable to small monovalent anions with selectivity for bromide > chloride > nitrate > fluoride (By similarity). Operates in the endoplasmic reticulum (ER) membrane where it mediates chloride efflux to compensate for the loss of positive charges from the ER lumen upon Ca(2+) release. Contributes to the maintenance of ER Ca(2+) pools and activation of unfolded protein response to prevent accumulation of misfolded proteins in the ER lumen. Particularly involved in ER homeostasis mechanisms underlying motor neurons and retinal photoreceptors survival (By similarity) (PubMed:25698737, PubMed:30157172, PubMed:37142673).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Within the endoplasmic reticulum (ER), localizes to the mitochondria-associated ER membrane, a zone of contact between the ER and mitochondrial membranes. Enriched in the rough ER. {ECO:0000250|UniProtKB:Q99LI2, ECO:0000269|PubMed:31653868}

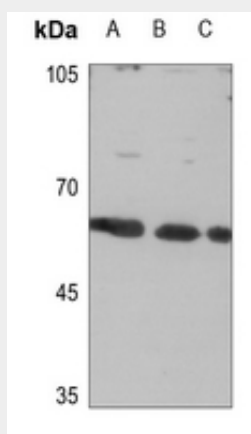
Tissue Location

Expressed in the retina of the eye, with extensive expression in the lamina cribrosa, optic nerve, ganglion cell layer, inner nuclear layer, outer nuclear layer and retinal pigment epithelium.

Anti-CLCC1 Antibody - 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](#)

Anti-CLCC1 Antibody - Images

Western blot analysis of CLCC1 expression in HEK293T (A), HeLa (B), H446 (C) whole cell lysates.

Anti-CLCC1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CLCC1. The exact sequence is proprietary.