

**CLCC1 Polyclonal Antibody**  
**Catalog # AP69145****Specification**

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**CLCC1 Polyclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q96S66</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |

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

CLCC1; KIAA0761; MCLC; Chloride channel CLIC-like protein 1; Mid-1-related chloride channel protein 1

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**CLCC1 Polyclonal 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:<a href="http://www.uniprot.org/citations/25698737" target="\_blank">25698737</a>, PubMed:<a href="http://www.uniprot.org/citations/30157172" target="\_blank">30157172</a>, PubMed:<a href="http://www.uniprot.org/citations/37142673" target="\_blank">37142673</a>).

**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**

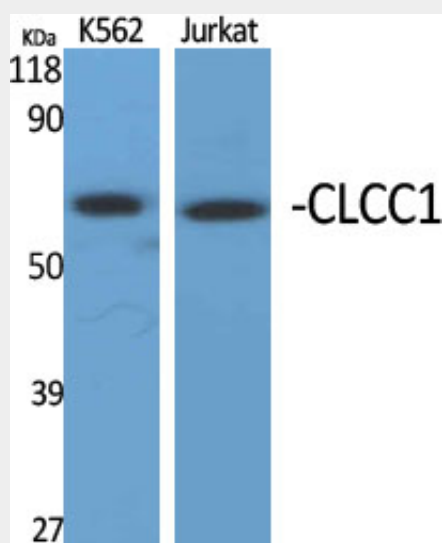
Expressed in the retina of the eye, with extensive expression in the lamina cribrosa, optic nerve, ganglion cell layer, inner nuclear layer, outer nuclear layer and retinal pigment epithelium.

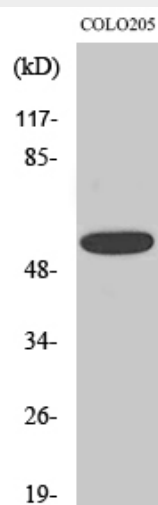
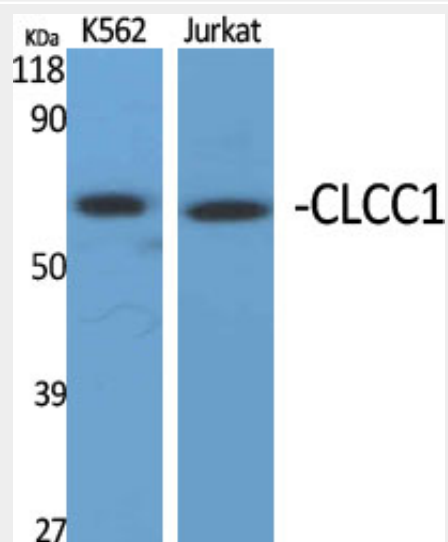
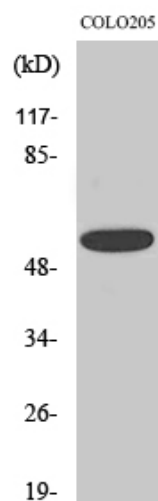
#### **CLCC1 Polyclonal Antibody - Protocols**

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](#)

#### **CLCC1 Polyclonal Antibody - Images**





### **CLCC1 Polyclonal Antibody - Background**

Seems to act as a chloride ion channel.