

### **CLIC1 Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20511c

### Specification

# **CLIC1 Antibody (Center) - Product Information**

/B,E
00299
uman
abbit
olyclonal
abbit IgG
6923
36-166

# **CLIC1 Antibody (Center) - Additional Information**

### Gene ID 1192

**Other Names** 

Chloride intracellular channel protein 1, Chloride channel ABP, Nuclear chloride ion channel 27, NCC27, Regulatory nuclear chloride ion channel protein, hRNCC, CLIC1, G6, NCC27

Target/Specificity

This CLIC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 136-166 amino acids from the Central region of human CLIC1.

Dilution WB~~1:1000 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CLIC1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

# CLIC1 Antibody (Center) - Protein Information

Name CLIC1 {ECO:0000303|PubMed:16339885, ECO:0000312|HGNC:HGNC:2062}

Function In the soluble state, catalyzes glutaredoxin-like thiol disulfide exchange reactions with



reduced glutathione as electron donor. Reduces selenite and dehydroascorbate and may act as an antioxidant during oxidative stress response (PubMed:<u>25581026</u>, PubMed:<u>37759794</u>). Can insert into membranes and form voltage-dependent multi-ion conductive channels. Membrane insertion seems to be redox- regulated and may occur only under oxidizing conditions. Involved in regulation of the cell cycle.

#### **Cellular Location**

Nucleus. Nucleus membrane; Single-pass membrane protein. Cytoplasm. Cell membrane; Single-pass membrane protein. Endoplasmic reticulum {ECO:0000250|UniProtKB:Q6MG61}. Note=Mostly in the nucleus including in the nuclear membrane (PubMed:12681486, PubMed:9139710). Small amount in the cytoplasm and the plasma membrane (PubMed:9139710). Exists both as soluble cytoplasmic protein and as membrane protein with probably a single transmembrane domain (PubMed:11551966, PubMed:11940526, PubMed:12681486, PubMed:14613939, PubMed:9139710). Might not be present in the nucleus of cardiac cells (By similarity) {ECO:0000250|UniProtKB:Q6MG61, ECO:0000269|PubMed:11551966, ECO:0000269|PubMed:11940526, ECO:0000269|PubMed:12681486, ECO:0000269|PubMed:14613939, ECO:0000269|PubMed:9139710}

#### **Tissue Location**

Expression is prominent in heart, placenta, liver, kidney and pancreas.

# **CLIC1 Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>
- CLIC1 Antibody (Center) Images



CLIC1 Antibody (Center) (Cat. #AP20511c) western blot analysis in HL-60,MCF-7,Raji,WiDr cell



line and human placenta tissue lysates (35ug/lane). This demonstrates the CLIC1 antibody detected the CLIC1 protein (arrow).

# CLIC1 Antibody (Center) - Background

Can insert into membranes and form chloride ion channels. Channel activity depends on the pH. Membrane insertion seems to be redox-regulated and may occur only under oxydizing conditions. Involved in regulation of the cell cycle.

### **CLIC1 Antibody (Center) - References**

Xie T., et al. Genome Res. 13:2621-2636(2003). Shiina S., et al. Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases. Valenzuela S.M., et al. J. Biol. Chem. 272:12575-12582(1997). Noh Y.H., et al. Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases. Chuang J.Z., et al. J. Neurosci. 19:2919-2928(1999).