

# CLIC1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5215

## Product Information

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Application	WB
Primary Accession	<a href="#">O00299</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26923
Isotype	Rabbit IgG
Antigen Source	HUMAN

## Additional Information

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Gene ID	1192
Antigen Region	136-166
Other Names	CLIC1;Chloride intracellular channel protein 1
Dilution	WB~~1:1000
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.
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.

## Protein Information

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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: <a href="#">25581026</a> , PubMed: <a href="#">37759794</a> ). 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.

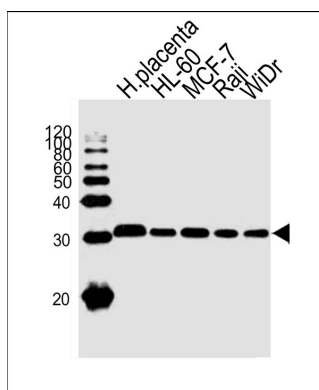
## Background

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.

## 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).

## Images



Western blot analysis of lysates from human placenta tissue lysate, HL-60, MCF-7, Raji, WiDr cell line (from left to right), using CLIC1 Antibody (Center)(Cat. #AW5215). AW5215 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.