

CLIC1 / NCC27 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF4092a**Specification**

CLIC1 / NCC27 Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	O00299
Other Accession	NP_001279.2 , 1192 , 114584 (mouse) , 406864 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	26923

CLIC1 / NCC27 Antibody (internal region) - 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

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

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.

Precautions

CLIC1 / NCC27 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

CLIC1 / NCC27 Antibody (internal region) - 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:25581026, PubMed:37759794). 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

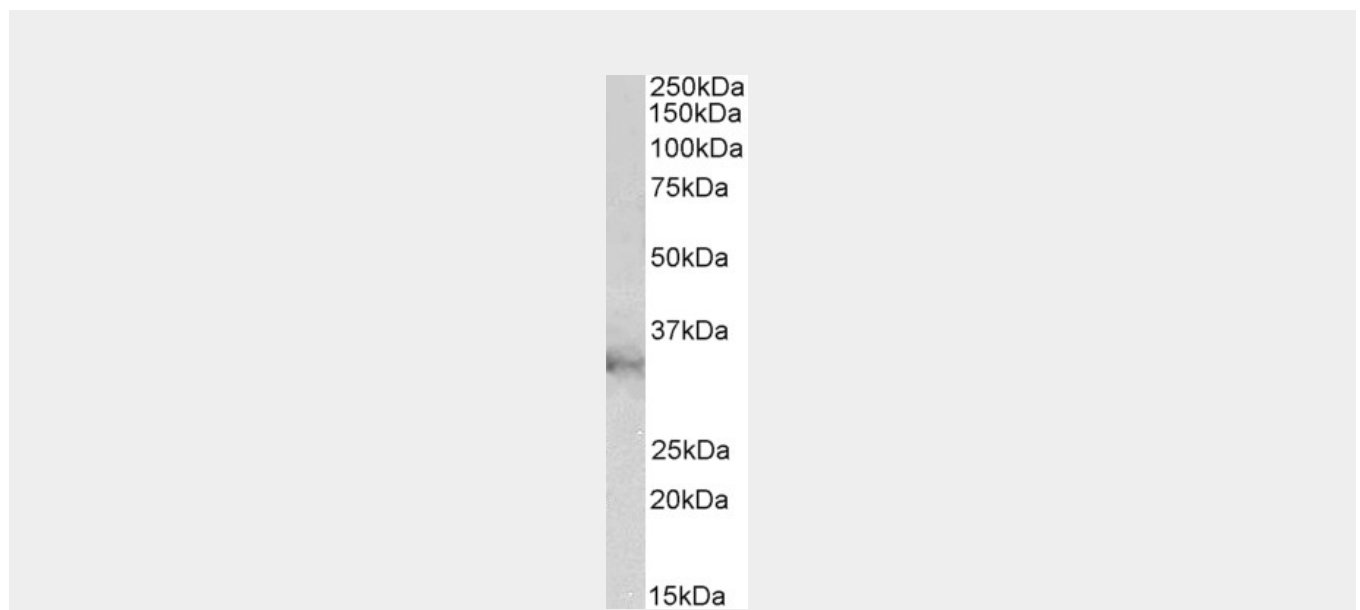
Expression is prominent in heart, placenta, liver, kidney and pancreas.

CLIC1 / NCC27 Antibody (internal region) - 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](#)

CLIC1 / NCC27 Antibody (internal region) - Images



AF4091a (2 µg/ml) staining of U937 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

CLIC1 / NCC27 Antibody (internal region) - References

Transmembrane extension and oligomerization of the CLIC1 chloride intracellular channel protein upon membrane interaction. Goodchild SC, Angstmann CN, Breit SN, Curmi PM, Brown LJ. Biochemistry 2011 Dec 50 (50): 10887-97. PMID: 22082111