

**CLIC1 / NCC27 (aa45-57) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF4091a**Specification****CLIC1 / NCC27 (aa45-57) Antibody (internal region) - Product Information**

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

**CLIC1 / NCC27 (aa45-57) 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

**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 (aa45-57) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**CLIC1 / NCC27 (aa45-57) Antibody (internal region) - Protein Information****Name** CLIC1**Synonyms** G6, NCC27**Function**

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.

### 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 (aa45-57) 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 (aa45-57) 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 (aa45-57) 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