

**CLCNKA Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17427a**

**Specification**

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**CLCNKA Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [P51800](#)

**CLCNKA Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 1187

**Other Names**

Chloride channel protein CIC-Ka, Chloride channel Ka, CIC-K1, CLCNKA

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CLCNKA Antibody (N-term) Blocking Peptide - Protein Information**

**Name** CLCNKA

**Function**

Voltage-gated chloride channel. Chloride channels have several functions including the regulation of cell volume; membrane potential stabilization, signal transduction and transepithelial transport. May be important in urinary concentrating mechanisms.

**Cellular Location**

Membrane; Multi-pass membrane protein.

**Tissue Location**

Expressed predominantly in the kidney. All nephron segments expressing BSND also express CLCNK proteins

**CLCNKA Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CLCNKA Antibody (N-term) Blocking Peptide - Images****CLCNKA Antibody (N-term) Blocking Peptide - Background**

This gene is a member of the CLC family of voltage-gated chloride channels. The encoded protein is predicted to have 12 transmembrane domains, and requires a beta subunit called barttin to form a functional channel. It is thought to function in salt reabsorption in the kidney and potassium recycling in the inner ear. The gene is highly similar to CLCNKB, which is located 10 kb downstream from this gene. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

**CLCNKA Antibody (N-term) Blocking Peptide - References**

Bailey, S.D., et al. Diabetes Care (2010) In press :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Kramer, B.K., et al. Nat Clin Pract Nephrol 4(1):38-46(2008)Martinez, G.Q., et al. PLoS ONE 3 (7), E2746 (2008) :Sile, S., et al. Hum. Hered. 65(1):33-46(2008)