

CLCNKA Antibody (N-term) Blocking PeptideSynthetic peptide
Catalog # BP17427a**Specification****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.

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 barttinto 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)

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](#)