



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

Synthetic 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**

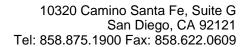
Membrane; Multi-pass membrane protein.

# CLCNKA Antibody (N-term) Blocking Peptide - Background

This gene is a member of the CLC family of voltage-gatedchloride channels. The encoded protein is predicted to have 12transmembrane domains, and requires a beta subunit called barttinto form a functional channel. It is thought to function in saltreabsorption in the kidney and potassium recycling in the innerear. The gene is highly similar to CLCNKB, which is located 10 kbdownstream from this gene. Multiple transcript variants encodingdifferent isoforms have been found for this gene. [provided byRefSeq].

# 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