Bioworld Technology CO., Ltd.

CLCNKA Peptide

Cat No.: BS5665P

Background

CLC-KA is a kidney-specific chloride channel that mediates transepithelial chloride transport in the thin ascending limb of the Henle loop in the inner medulla. CLC-KA plays a crucial role in urine concentration. The gene encoding human CLC-KA maps to chromosome 1p36. Mutations in this gene may be associated with nephrogenic diabetes insipidus in those cases where mutations in the vasopressin V2 receptor and the AQP2 water channel are lacking. CLC-KB mediates basolateral chloride ion efflux in the thick ascending limb and in more distal nephron segments. The gene encoding human CLC-KB maps to chromosome 1p36. Mutations in this gene cause type III Barter's syndrome which is characterized by renal salt-wasting and low blood pressure.

Swiss-Prot

P51800

Applications

Blocking

Specificity

This peptide can be used with studies using BS5665 CLCNKA pAb.

Purification & Purity

Synthetic peptide CLCNKA. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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