

A20933

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SLC12A1 / NKCC2 Rabbit mAb

Catalog No.: A20933

Recombinant

Basic Information

Observed MW

100-290 kDa

Calculated MW

121 kDa

Category

Monoclonal Antibody

Applications

WB,ELISA

Cross-Reactivity

Mouse,Rat

CloneNo number

ARC2915

Background

This gene encodes a kidney-specific sodium-potassium-chloride cotransporter that is expressed on the luminal membrane of renal epithelial cells of the thick ascending limb of Henle's loop and the macula densa. It plays a key role in concentrating urine and accounts for most of the NaCl resorption. It is sensitive to such diuretics as furosemide and bumetanide. Some Bartter-like syndromes result from defects in this gene. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional splice variants have been described but their biological validity in humans has not been experimentally proven.

Recommended Dilutions

WB 1:1000 - 1:3000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

6557

Swiss Prot

Q13621

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

BSC; BSC1; CCC2; BSC-1; NKCC2; SLC12A1 / NKCC2

Contact



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Product Information

Source

Rabbit

Isotype

IgG

Purification

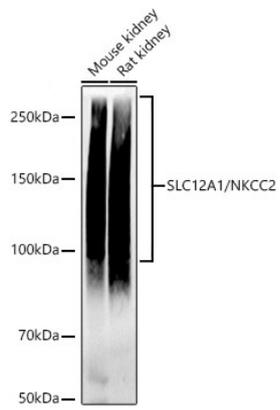
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates using SLC12A1 / NKCC2 Rabbit mAb (A20933) at 1:1000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.