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SLC12A1 / NKCC2 Antibody

Rabbit mAb
Catalog # AP92945

Product Information

Application	WB
Primary Accession	Q13621
Reactivity	Human
Clonality	Monoclonal
Other Names	BSC1; NKCC2; Slc12a1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	121450

Additional Information

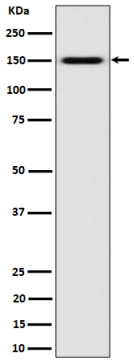
Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human SLC12A1 / NKCC2
Description	May play an important role in cell growth and/or transcription.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	SLC12A1 (HGNC:10910)
Function	Renal sodium, potassium and chloride non-electrogenic ion symporter that mediates the transepithelial NaCl reabsorption in the thick ascending limb and plays an essential role in the urinary concentration and volume regulation (PubMed:21321328). It can substitute NH4(+) for K(+), enabling NH4(+) apical transmembrane transport in the medullary thick ascending limb (MTAL). This function is crucial for maintaining ammonium homeostasis by the kidney, particularly during metabolic acidosis (By similarity).
Cellular Location	Apical cell membrane; Multi-pass membrane protein
Tissue Location	Kidney; localizes to the thick ascending limbs (at protein level).

Images

Western blot analysis of SLC12A1 / NKCC2 expression in K562 cell lysate.



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