

Rabbit NKCC2 Polyclonal Antibody | anti-Slc12a1 antibody

NKCC2 Antibody: HRP

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103633	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

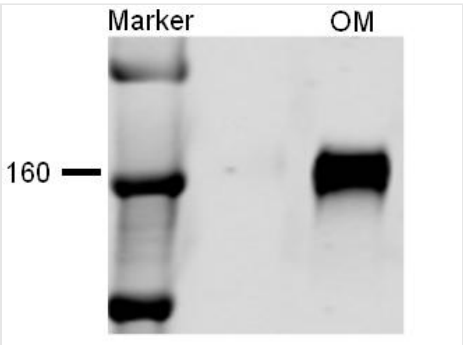
PRODUCT SYNONYMS

NKCC2; Polyclonal Antibody; NKCC2 Antibody: HRP; SLC12A1 Antibody; sodium potassium chloride cotransporter 2 Antibody; sodium-potassium-chloride cotransporter isoform 2 Antibody; BSCI Antibody; MBSCI Antibody; Na-K-2Cl cotransporter Antibody; NKCC2A variant A Antibody; RBSC Antibody; Antibody; anti-Slc12a1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Form/Format	Affinity Purified
Concentration	1mg/mL (varies by lot)
Sequence Length	1,095
Applicable Applications for anti-Slc12a1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Conjugate	HRP
Immunogen	Produced against a synthetic peptide mapping to a segment (amino acids 33-55) of the N-terminal tail of rat NKCC2 (antibody designation L224).
Research Area(s)	Cancer, Neuroscience, Pumps/Transporters, Ion Pumps/Transporters
Cellular Localization	Membrane
Storage Buffer	PBS, 50% glycerol, 0.09% sodium azide
Certificate of Analysis	1ug/ml was sufficient for detection of NKCC2 in 10ug of rat kidney tissue lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
Preparation and Storage	20 degree C; 1 year+. Avoid freeze/ thaw cycle.

IMAGES



WB (Western Blot)
Western blot analysis of Rat kidney tissue lysates showing detection of NKCC2 protein using Rabbit Anti-NKCC2 Polyclonal Antibody (SPC-401). Primary Antibody: Rabbit Anti-NKCC2 Polyclonal Antibody (SPC-401) at 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-Slc12a1 antibody	Background Info: Detects ~160kDa Scientific Background: NKCC2, a kidney-specific member of the cation chloride co-transporter family SLC12, facilitates transport of sodium, potassium, and chloride ions from the lumen of the renal thick ascending limb into the cell (1, 2). Transport of sodium dilutes the luminal fluid, decreasing its osmolality creating an osmotic driving force for water reabsorption in the connecting tubule and cortical collecting duct under the influence of the hormone vasopressin. NKCC2 is found on the apical surface of the thick ascending limb of the loop of Henle and is blocked by loop diuretics such as furosemide (1).
Product Categories/Family for anti-Slc12a1 antibody	Ion Channels ; Transporters
References	1.Caceres P.S., Ares G.R., and Ortiz P.A. (2009) J Biol Chem. 284(37): 24965-24971. 2.Xue H., et al. (2009) Neurogastroentrol Motil. 21(10): 1068-1089.

NCBI AND UNIPROT INFORMATION

NCBI GI #	162287159
NCBI GeneID	25065
NCBI Accession #	NP_062007
NCBI GenBank Nucleotide #	NM_019134.2
UniProt Accession #	Q5PQV1; P55016
NCBI Official Synonym Full Names	solute carrier family 12 (sodium/potassium/chloride transporter), member 1
NCBI Official Symbol	Slc12a1
NCBI Official Synonym Symbols	BSC1; Nkcc2
NCBI Protein Information	solute carrier family 12 member 1
UniProt Protein Name	RCG26347, isoform CRA_c
UniProt Gene Name	Slc12a1
UniProt Synonym Gene Names	rCG_26347
UniProt Entry Name	Q5PQV1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nkcc2-antibody-immunohistochemistry-western-blot-elisa/103633>