

# AB-NN320-1 NKCC2 Antibody

Pan-specific polyclonal antibody for monitoring the expression of rat NKCC2



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## Target Protein

<b>Name Long:</b>	Solute carrier family 12 member 1 (NKCC2)
<b>Alias:</b>	SLC12A1, sodium potassium chloride cotransporter 2, sodium-potassium-chloride cotransporter isoform 2, BSC1, MBSC1, Na-K-2Cl cotransporter, NKCC2A variant A, RBSC,
<b>UniProt ID:</b>	Q5PQV1 - Rat
<b>Human Predicted Mass (kDa):</b>	121.450 (1099 AA; Q13621-1); 121.388 (1099 AA; Q13621-3)
<b>Observed SDS-PAGE Mass (kDa):</b>	160

## Immunogen

<b>Antibody Immunogen Source:</b>	Produced against a synthetic peptide mapping to a segment (amino acids 33-55) of the N-terminal tail of rat NKCC2 (antibody designation L224).
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## Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Ig Isotype Clone Lot:</b>	162 Mix
<b>Antibody Purification:</b>	Affinity purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

## Applications

<b>Product Use:</b>	WB
<b>Antibody Dilution Recommended:</b>	WB (1:1000); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat
<b>Antibody Positive Control:</b>	1 µg/ml of SPC-401 was sufficient for detection of NKCC2 in 10 µg of rat kidney tissue lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~160 kDa protein.

This product is for in vitro research use only and is not intended for use in humans or animals.

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