Datasheet for ABIN632379

anti-SLC12A1 antibody

2 Images

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Overview

Quantity:	100 µL
Target:	SLC12A1
Reactivity:	Human, Rat, Mouse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC12A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	SLC12 A1 antibody was raised using a synthetic peptide corresponding to a region with amino acids NEKKSRGFFNYQASIFAENFGPRFTKGEGFFSVFAIFFPAATGILAGANI
Purification:	Affinity purified

Target Details

Target:	SLC12A1
Alternative Name:	SLC12A1 (SLC12A1 Products)
Background:	The sodium-potassium-chloride cotransporter isoform 2 is kidney-specific and is found on the apical membrane of the thick ascending limb of Henle's loop and the macula densa. It accounts for most of the NaCl resorption with the stoichiometry of 1Na:1K:2Cl and is sensitive to such diuretics as furosemide and bumetanide. Some Bartter-like syndromes result from defects in this gene.

Target Details

Molecular Weight:	47 kDa (MW of target protein)

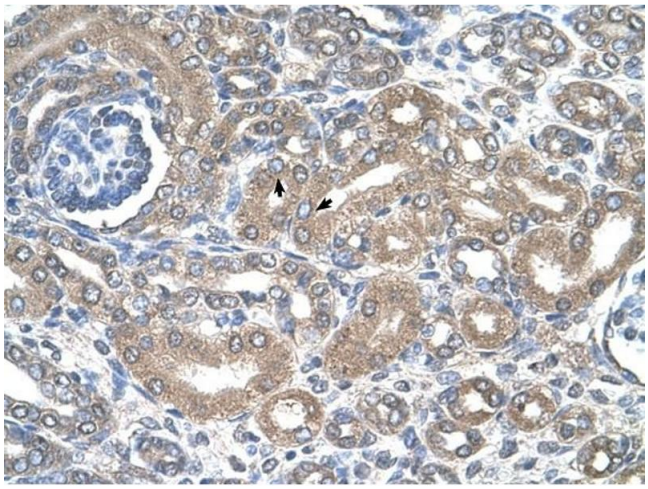
Application Details

Application Notes:	WB: 1 µg/mL, IHC: 4-8 µg/mL Optimal conditions should be determined by the investigator.
Comment:	SLC12A1 Blocking Peptide, catalog no. 33R-6671, is also available for use as a blocking control in assays to test for specificity of this SLC12A1 antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of SLC10 1 antibody in PBS
Concentration:	Lot specific
Buffer:	PBS
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.

Images



Immunohistochemistry

Image 1. SLC12A1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Epithelial cells of renal tubule (arrows) in Human Kidney. Magnification is at 400X

Western Blotting

Image 2. SLC12A1 antibody used at 1 ug/ml to detect target protein.