

SCNN1B Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20003c

Specification

SCNN1B Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P51168
Other Accession	NP_000327.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	72659
Antigen Region	306-332

SCNN1B Antibody (Center) - Additional Information

Gene ID 6338

Other Names

Amiloride-sensitive sodium channel subunit beta, Beta-NaCH, Epithelial Na(+) channel subunit beta, Beta-ENaC, ENaCB, Nonvoltage-gated sodium channel 1 subunit beta, SCNEB, SCNN1B

Target/Specificity

This SCNN1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 306-332 amino acids from the Central region of human SCNN1B.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SCNN1B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SCNN1B Antibody (Center) - Protein Information

Name SCNN1B

Function Sodium permeable non-voltage-sensitive ion channel inhibited by the diuretic amiloride.

Mediates the electrodiffusion of the luminal sodium (and water, which follows osmotically) through the apical membrane of epithelial cells. Plays an essential role in electrolyte and blood pressure homeostasis, but also in airway surface liquid homeostasis, which is important for proper clearance of mucus. Controls the reabsorption of sodium in kidney, colon, lung and sweat glands. Also plays a role in taste perception.

Cellular Location

Apical cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P37089}. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:P37090}. Note=Apical membrane of epithelial cells.

Tissue Location

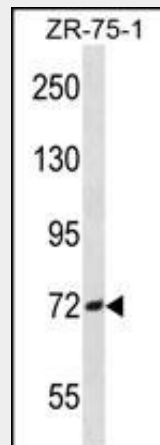
Detected in placenta, lung and kidney (PubMed:7762608). Expressed in kidney (at protein level) (PubMed:22207244).

SCNN1B Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SCNN1B Antibody (Center) - Images



SCNN1B Antibody (Center) (Cat. #AP20003c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the SCNN1B antibody detected the SCNN1B protein (arrow).

SCNN1B Antibody (Center) - Background

Nonvoltage-gated, amiloride-sensitive, sodium channels control fluid and electrolyte transport across epithelia in many organs. These channels are heteromeric complexes consisting of 3 subunits: alpha, beta, and gamma. This gene encodes the beta subunit, and mutations in this gene have been associated with

pseudohypoaldosteronism type 1 (PHA1), and Liddle syndrome.

SCNN1B Antibody (Center) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Song, W., et al. J. Biol. Chem. 285(13):9716-9728(2010)
Yokoyama, K., et al. Nephron Clin Pract 115 (4), C237-C243 (2010) :
McGeachie, M., et al. Circulation 120(24):2448-2454(2009)
Azad, A.K., et al. Hum. Mutat. 30(7):1093-1103(2009)