

SCNN1D Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17675A**Specification**

SCNN1D Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P51172
Other Accession	NP_002969.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	87850
Antigen Region	161-189

SCNN1D Antibody (N-term) - Additional Information**Gene ID** 6339**Other Names**

Amiloride-sensitive sodium channel subunit delta, Delta- NaCH , Epithelial $\text{Na}(+)$ channel subunit delta, Delta- ENaC , ENaCD , Nonvoltage-gated sodium channel 1 subunit delta, SCNED, SCNN1D, DNACH

Target/Specificity

This SCNN1D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 161-189 amino acids from the N-terminal region of human SCNN1D.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

SCNN1D Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SCNN1D Antibody (N-term) - Protein Information**Name** SCNN1D ([HGNC:10601](#))

Function Potential alternative pore-forming subunit of the epithelial sodium channel (ENaC), capable of replacing the alpha/SCNN1A subunit, creating a more active channel with distinct properties (PubMed:[16423824](#), PubMed:[19520916](#), PubMed:[22505667](#)). ENaC functions in epithelial tissues, where it facilitates the electrodiffusion of sodium ions from the extracellular fluid through the apical membrane of cells, with water following osmotically, regulating sodium balance and fluid homeostasis (PubMed:[16423824](#), PubMed:[19520916](#), PubMed:[7499195](#)). This subunit could also function independently as a sodium channel or assemble into other tissue-specific heterotrimeric sodium channels (PubMed:[7499195](#)).

Cellular Location

Apical cell membrane; Multi-pass membrane protein

Tissue Location

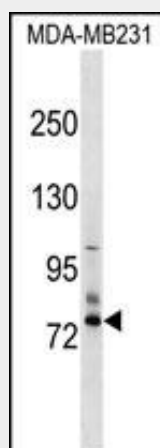
Not specifically expressed in epithelial cells.

SCNN1D Antibody (N-term) - 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](#)

SCNN1D Antibody (N-term) - Images



SCNN1D Antibody (N-term) (Cat. #AP17675a) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the SCNN1D antibody detected the SCNN1D protein (arrow).

SCNN1D Antibody (N-term) - Background

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. Controls the reabsorption of sodium in kidney, colon, lung and sweat glands. Also plays a role in taste perception.

SCNN1D Antibody (N-term) - References

Wesch, D., et al. Am. J. Physiol., Cell Physiol. 299 (4), C779-C790 (2010) :
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Bangel-Ruland, N., et al. Am. J. Respir. Cell Mol. Biol. 42(4):498-505(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Haerteis, S., et al. J. Biol. Chem. 284(42):29024-29040(2009)