10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Delta-NaCH Antibody

Catalog # AP53779

Product Information

Application	WB, IF/IC
Primary Accession	P51172
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87850

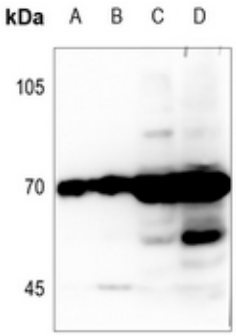
Additional Information

Gene ID	6339
Other Names	DNACH; Amiloride-sensitive sodium channel subunit delta; Delta-NaCH; Epithelial Na(+) channel subunit delta; Delta-ENaC; ENaCD; Nonvoltage-gated sodium channel 1 subunit delta; SCNED
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Delta-NaCH. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

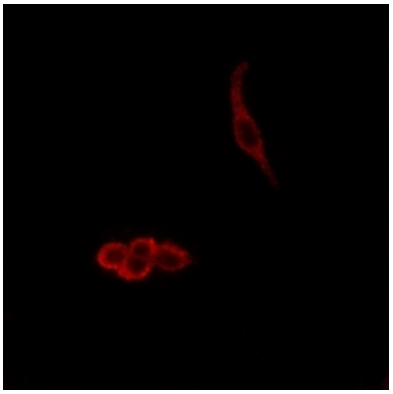
Protein Information

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.

Images



Western blot analysis of Delta-NaCH expression in mouse lung (A), mouse muscle (B), rat testis (C), rat muscle (D) whole cell lysates. (Predicted band size: 87 kD; Observed band size: 70 kD)



Immunofluorescent analysis of Delta-NaCH staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.