

For Research Use Only

SCNN1A Polyclonal antibody

Catalog Number: 28707-1-AP

1 Publications



Basic Information

Catalog Number:

28707-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30063

GenBank Accession Number:

BC006526

GeneID (NCBI):

6337

UNIPROT ID:

P37088

Full Name:

sodium channel, nonvoltage-gated 1 alpha

Calculated MW:

76 kDa

Observed MW:

60-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB: mouse kidney tissue, rat kidney tissue

Background Information

Amiloride-sensitive sodium channel subunit alpha (SCNN1A, also known as Alpha-ENaC and ENaCA) is essential for maintaining sodium homeostasis and is particularly important in the distal nephron and late distal convoluted tubule of the kidney, where aldosterone triggers ENaC activity (PMID: 18086683; 31654198). The ~97 kDa and ~75kDa bands represent the glycosylated and unglycosylated forms of SCNN1A (PMID: 19462466). It also migrated as intact (= 75 kDa) and furin-cleaved (= 50 kDa) in urinary extracellular vesicles (uEVs) (PMID: 31654198).

Notable Publications

Author	Pubmed ID	Journal	Application
Ryuji Fukuzawa	29040332	PLoS One	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

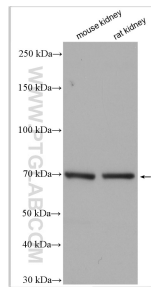
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28707-1-AP (SCNN1A antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.