

SCNN1A Antibody (RQ7514)

| Catalog No. | Formulation | Size |
|-------------|---|--------|
| RQ7514 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

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| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Antigen affinity purified |
| Host | Rabbit |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity purified |
| Buffer | Lyophilized from 1X PBS with 2% Trehalose |
| UniProt | P37088 |
| Applications | Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml |
| Limitations | This SCNN1A antibody is available for research use only. |



Western blot testing of human RT4 cell lysate with SCNN1A antibody. Predicted molecular weight ~76 kDa.

Description

The SCNN1A gene encodes the alpha subunit of the epithelial sodium channel (ENaC), a constitutively active channel that allows the flow of sodium ions from the lumen into epithelial cells across the apical cell membrane. The ENaC channel, which is regulated by the renin-angiotensin-aldosterone system, has a central role in the regulation of extracellular fluid volume and blood pressure. The other subunits are encoded by the beta (SCNN1B), gamma (SCNN1G), and delta (SCNN1D) genes. This SCNN1A gene is mapped to 12p13.31. Mutations in this gene have been associated with pseudohypoaldosteronism type 1 (PHA1), a rare salt wasting disease resulting from target organ

unresponsiveness to mineralocorticoids.

Application Notes

Optimal dilution of the SCNN1A antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids E8-Q628) was used as the immunogen for the SCNN1A antibody.

Storage

After reconstitution, the SCNN1A antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.