bs-4252R

## [ Primary Antibody ]

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# **SCNN1B Rabbit pAb**

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GeneID:** 6338 **SWISS:** P51168

Target: SCNN1B

**Immunogen:** KLH conjugated synthetic peptide derived from human SCNN1B:

401-500/685. < Extracellular >

**Purification:** affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: SCNN1B is a subunit of the epithelial sodium channel, ENaC. ENac

has high sodium selectivity, low conductance, and amiloride sensitivity. The functional channel of ENaC is composed of at least 3 subunits, alpha (SCNN1A), beta (SCNN1B), and gamma (SCNN1G). The 3 subunits show sequence similarities to one another, indicating descent from a common ancestral gene. Each encodes a protein containing 2 transmembrane domains, with

intracellular amino and carboxyl termini.

Applications: WB (1:500-2000)

ICC/IF (1:100-500)

Reactivity: Human (predicted: Mouse,

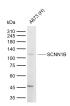
Rat, Rabbit, Pig, Horse)

Predicted 73 kDa

MW.:

Subcellular Cell membrane Location:

## VALIDATION IMAGES -



Sample: Lane 1: Human A673 cell lysates Primary: Anti-SCNN1B (bs-4252R) at 1/1000 dilution Secondary: IRDve800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 73 kDa Observed band size: 110 kDa



U266 cell: 4% Paraformaldehyde-fixed: Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (SCNN1B) polyclonal Antibody, Unconjugated (bs-4252R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

### - SELECTED CITATIONS -

- [IF=2.586] Ayşe Çakır Gündoğdu. et al. Impact of 5'-AMP-activated protein kinase (AMPK) on Epithelial Sodium Channels (ENaCs) in human sperm. TISSUE CELL. 2022 Aug;:101896 ELISA, IF; Human. 35994921
- [IF=2.586] Ayşe Çakır Gündoğdu. et al. Resveratrol downregulates ENaCs through the activation of AMPK in human colon cancer cells. TISSUE CELL. 2023 Mar;:102071 ICC; Human. 36965273