bs-4252R **[Primary Antibody]**

SCNN1B Rabbit pAb

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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.

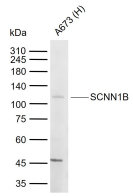
Applications: **WB** (1:500-2000)
ICC/IF (1:100)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Horse)

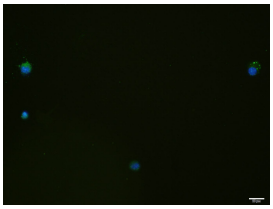
Predicted MW.: 73 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Human A673 cell lysates Primary: Anti-SCNN1B (bs-4252R) at 1/1000 dilution Secondary: IRDye800CW 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