bs-4263R

[Primary Antibody]

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epithelial Sodium Channel gamma Rabbit pAb

- DATASHEET -

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GenelD: 6340 **SWISS:** P51170

Target: epithelial Sodium Channel gamma

Immunogen: KLH conjugated synthetic peptide derived from human epithelial

Sodium Channel gamma: 188-290/649. < 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: Epithelial sodium channels are amiloride-sensitive members of the

Degenerin/epithelial sodium channel (Deg/ENaC) superfamily of ion channels. Members of this superfamily of ion channels share organizational similarity in that they all possess two short intracellular amino and carboxyl termini, two short membrane spanning segments, and a large extracellular loop with a conserved cysteine-rich region. There are three homologous isoforms of the ENaC (alpha, beta, and gamma) protein. ENaC in the kidney, lung, and colon plays an essential role in transepithelial sodium and fluid balance. ENaC also mediates aldosterone-dependent sodium reabsorption in the distal nephron of the kidney, thus regulating blood pressure. ENaC is thought to be regulated, in part, through association with the cystic fibrosis transmembrane conductance regulator (CFTR) chloride ion channel. Gain-of-function mutations in beta- or gamma-ENaC can cause severe arterial hypertension (Liddel's syndrome) and lossof-function mutations in alpha- or beta-ENaC causes pseudohypoaldosteronism (PHA-1).

Applications: WB (1:500-2000)

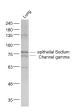
Reactivity: Mouse (predicted: Human,

Rat, Rabbit, Dog)

Predicted 71 kDa

Subcellular Cell membrane

VALIDATION IMAGES



Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti- epithelial Sodium Channel gamma (bs-4263R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 71 kD Observed band size: 71/81 kD

— SELECTED CITATIONS -

• [IF=5.6] Yu-qiong He. et al. Ursodeoxycholic acid alleviates sepsis-induced lung injury by blocking PANoptosis via STING pathway. INT IMMUNOPHARMACOL. 2023 Dec;125:111161 WB ;Mouse. 37948864