bs-6675R

[Primary Antibody]

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KCNN4 Rabbit pAb

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Reactivity: Human (predicted: Mouse,

ELISA (1:5000-10000)

Applications: WB (1:500-2000)

Predicted 50 kDa

Subcellular Cell membrane Location:

MW.:

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 3783 SWISS: 015554

Target: KCNN4

Immunogen: KLH conjugated synthetic peptide derived from human KCNN4:

325-427/427.

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.

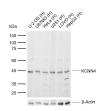
Background: Forms a voltage-independent potassium channel that is activated

by intracellular calcium. Activation is followed by membrane hyperpolarization which promotes calcium influx. Required for maximal calcium influx and proliferation during the reactivation of

naive T cells. The channel is blocked by clotrimazole and

charybdotoxin but is insensitive to apamin.

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with KCNN4 polyclonal antibody, unconjugated (bs-6675R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at rt for 60 min

— SELECTED CITATIONS –

- [IF=6.543] Liu Dishiwen. et al. Cardiac Fibroblasts Promote Ferroptosis in Atrial Fibrillation by Secreting ExomiR-23a-3p Targeting SLC7A11. OXID MED CELL LONGEV. 2022;2022:3961495 WB; Dog, Rat. 35677105
- [IF=4.3] Lively et al. Comparing Effects of Transforming Growth Factor β1 on Microglia From Rat and Mouse: Transcriptional Profiles and Potassium Channels. (2018) Front.Cell.Neurosci. 12:115 WB; Rat. 29780305
- [IF=3.23] Zhang, Panshi, et al. "Inhibition of SK4 Potassium Channels Suppresses Cell Proliferation, Migration and the Epithelial-Mesenchymal Transition in Triple-Negative Breast Cancer Cells." PLOS ONE 11.4 (2016): e0154471. IHC ;Human. 27124117
- [IF=3.4] Huiyu Chen. et al. M2 macrophage-derived exosomes alleviate KCa3.1 channel expression in rapidly paced HL-1 myocytes via the NF-κB (p65)/STAT3 signaling pathway. MOL MED REP. 2024 Apr;29(4):1-11 IF; Mouse. 38334149