**bs-6675R** **[ Primary Antibody ]**

# KCNN4 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 3783 **SWISS:** O15554

**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.

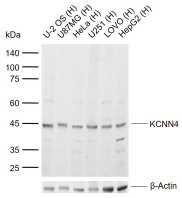
**Applications:** **WB** (1:500-2000)
**ELISA** (1:5000-10000)

**Reactivity:** Human (predicted: Mouse, Rat)

**Predicted MW.:** 50 kDa

**Subcellular Location:** Cell membrane

## 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 r.t. for 60 min.

## SELECTED CITATIONS


- **[IF=6.543]** Liu Dishiwen. et al. Cardiac Fibroblasts Promote Ferroptosis in Atrial Fibrillation by Secreting Exo-miR-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