bs-5402R

[Primary Antibody]

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KCNC1 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 3746 SWISS: P48547

Target: KCNC1

Immunogen: KLH conjugated synthetic peptide derived from human KCNC1:

15-120/511.

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: KCNC1 mediates the voltage-dependent potassium ion

permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient. It forms a heteromultimer with KCNG3,

KCNG4 and KCNV2.

Applications: WB (1:500-2000)

IHC-P (1:100-500) IHC-F (1:100-500) **IF** (1:100-500) **ELISA** (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Pig, Sheep, Cow, Chicken, Dog, Horse)

Predicted MW.: 58 kDa

Subcellular Cell membrane

- SELECTED CITATIONS -

• [IF=3] Tianyu Gao. et al. FSS in CTE triggers neuronal apoptosis through Piezo1-induced Ca2+ homeostasis disruption. ARCH BIOCHEM BIOPHYS. 2025 Nov;773:110587 IF; Human. 40812529