bs-5403R **[Primary Antibody]**

phospho-KCNC1 (Ser503) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 25327 **SWISS:** P25122

Target: KCNC1 (Ser503)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from rat KCNC1 around the phosphorylation site of Ser503: AD(p-S)KL.

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.

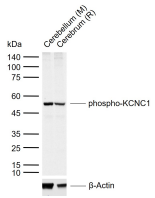
Applications: **WB** (1:500-2000)

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

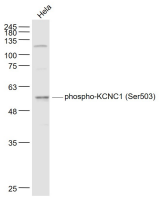
Predicted MW.: 58 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebellum tissue lysates Lane 2: Rat Cerebrum tissue lysates Primary: Anti-phospho-KCNC1 (Ser503) (bs-5403R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 58 kDa Observed band size: 53 kDa



Sample: Hela(Human) Cell Lysate at 30 ug Primary: Anti- phospho-KCNC1 (Ser503) (bs-5403R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 58 kD Observed band size: 58 kD

SELECTED CITATIONS

- **[IF=4.636]** Cheng Wanpeng. et al. Transcriptomic analysis reveals the effects of maternal selenium deficiency on placental transport, hormone synthesis, and immune response in mice. METALLOMICS. 2022 Aug;: WB ;Mouse. 36002020