

**bs-5933R****[ Primary Antibody ]****KCNK9 Rabbit pAb****BioSS**  
**ANTIBODIES**

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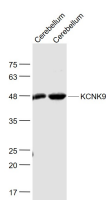
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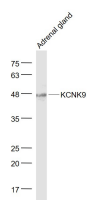
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 51305 <b>Target:</b> KCNK9 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human KCNK9: 21-120/374. < Extracellular > <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> KCNK9 or TASK-3 (TWIK-related Acid sensitive K <sup>+</sup> channel) is a member of the potassium channel family of proteins that contain two-pore domain and four transmembrane domains. These channels are characterized as leak K <sup>+</sup> channels that are sensitive to changes in the extracellular pH. The physiological functions of TASK channels are largely unknown; it has been proposed that they may be involved in the regulation of breathing, aldosterone secretion and anesthetic-mediated neuronal activity. They were found to act in neurons' membrane potential and in resting K <sup>+</sup> currents.	<b>Isotype:</b> IgG <b>SWISS:</b> Q9NPC2	<b>Applications:</b> WB (1:500-2000) <b>Reactivity:</b> Mouse, Rat (predicted: Human, Rabbit, Pig, Sheep, Cow, Chicken, Horse) <b>Predicted MW.:</b> 40 kDa <b>Subcellular Location:</b> Cell membrane
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**— VALIDATION IMAGES —**

Sample: Cerebrum (Mouse) Lysate at 40 ug  
 Cerebrum (Rat) Lysate at 40 ug Primary: Anti-KCNK9 (bs-5933R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kD Observed band size: 48 kD



Sample: Adrenal gland (Mouse) Lysate at 40 ug  
 Primary: Anti-KCNK9 (bs-5933R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kD Observed band size: 48 kD

**— SELECTED CITATIONS —**

- **[IF=2.5]** Song Hai-chen. et al. TWIK-related acid-sensitive potassium channels TASK-1 and TASK-3 may participate in the process of the coexistence of asthma and OSA. SLEEP BREATH. 2023 Jul;:1-9 WB ;Mouse. 37428352