bs-16916R **[Primary Antibody]**

KCNS1 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: 3787 **SWISS:** Q96KK3

Target: KCNS1

Immunogen: KLH conjugated synthetic peptide derived from human KCNS1: 161-260/526.

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: Voltage-gated potassium channels form the largest and most diversified class of ion channels and are present in both excitable and nonexcitable cells. Their main functions are associated with the regulation of the resting membrane potential and the control of the shape and frequency of action potentials. The alpha subunits are of 2 types: those that are functional by themselves and those that are electrically silent but capable of modulating the activity of specific functional alpha subunits. The protein encoded by this gene is not functional by itself but can form heteromultimers with member 1 and with member 2 (and possibly other members) of the Shab-related subfamily of potassium voltage-gated channel proteins. This gene belongs to the S subfamily of the potassium channel family. [provided by RefSeq, Jul 2008]

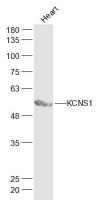
Applications: **WB** (1:500-2000)

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

Predicted MW.: 58 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Heart(Rat) Cell Lysate at 40 ug Primary: Anti-KCNS1 (bs-16916R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 58 kD Observed band size: 58 kD

SELECTED CITATIONS

- **[IF=3.4]** Lin-ming Zhang. et al. Identification of key potassium channel genes of temporal lobe epilepsy by bioinformatics analyses and experimental verification. FRONT NEUROL. 2023; 14: 1175007 IHC ;Mouse. 37483435