bs-1815R **[Primary Antibody]**

ERG/KCNH2 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: 3757 **SWISS:** Q12809

Target: ERG/KCNH2

Immunogen: KLH conjugated synthetic peptide derived from human HERG: 1001-1159/1159. < Cytoplasmic >

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: The potassium voltage gated channel, subfamily H (eag related), member 2 (KCNH2) gene encodes a voltage-gated potassium channel which has an important role in cardiac action potential repolarization in the mammalian heart. Mutations in KCNH2 have been shown to cause chromosome 7-linked congenital long QT syndrome, a disorder associated with delayed cardiac repolarization, prolonged electrocardiographic QT intervals, and the development of ventricular arrhythmias. KCNH2 channels are an important target for many drugs, and have emerged as a significant type of cardiac ion channel.Highly expressed in heart and brain.

Applications: **ELISA** (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Dog, Horse)

Predicted MW.: 127 kDa

Subcellular Location: Cell membrane

SELECTED CITATIONS

- **[IF=5.9]** Zhao, Jing, et al. "Chronic obstructive sleep apnea causes atrial remodeling in canines: mechanisms and implications." Basic Research in Cardiology 109.5 (2014): 1-13. WB ;="Dog". 25015734