### bs-23704R

# [ Primary Antibody ]

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# ERG/KCNH2 Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GeneID:** 3757 **SWISS:** Q12809

Target: ERG/KCNH2

**Immunogen:** KLH conjugated synthetic peptide derived from human

ERG/KCNH2: 541-640/1159. < Extracellular >

**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 cyndrome, a dicordor associated with delayed cardiac

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: IHC-P** (1:100-500)

400-901-9800

**IHC-F** (1:100-500) **IF** (1:100-500)

Reactivity: Mouse (predicted: Human,

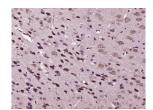
Rat, Sheep, Cow, Dog,

Horse)

Predicted MW.: 127 kDa

Subcellular Cell membrane

## VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ERG) Polyclonal Antibody, Unconjugated (bs-23704R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.