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bs-9857R-Cy3

- ## Rabbit Anti-KCNG2 Polyclonal Antibody, Cy3 conjugated

Conjugated Primary Antibodies

Background:
Neuronal and cardiac cells are excited by voltage-gated ion channels. Voltage-gated K+ channels in the plasma membrane control the repolarization and the frequency of action potentials in neurons, muscles and other excitable cells. Mutations interfering with potassium ion channels are known to cause a variety of disorders. KCNG2 (potassium voltage-gated channel subfamily G member 2) is also known as voltage-gated potassium channel subunit KV6.2, cardiac potassium channel subunit or KCNF2 and is a 466 amino acid protein. KCNG2 is a multi-pass membrane protein abundantly expressed in heart, liver, skeletal muscle, kidney and pancreas, and detected at lower concentrations in brain, lung and placenta. KCNG2 is an electrically silent subunit that forms heterodimers with KV2.1, creating a unique functional K+ channel. KCNG2-KV2.1 heterodimers are known to be inhibited by tetraethylammonium and propafenone. KCNG2 is thought to downregulate potassium channel currents because KCNG2-KV2.1 heterodimers generate smaller currents than KV2.1 homodimers

Purification: Was purified by Protein A and peptide affinity chromatography.

Storage:
Aqueous buffered solution containing 100ug/ml BSA, 50% glycerol and less than 0.09% sodium azide. Store at -20°C for 12 months. Protect from light. [Product without BSA and/or sodium azide is available for special order.]

Reconstitution:
If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

For full size images and description please click HERE.

Size: 100ul

Concentration: 1ug/uL

Host: Rabbit

Reactivities:
Human,Mouse,Rat,Chicken,Pig,Bovine,Sheep,

Application:

- IF(1:50-200)
- Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

Antibody Type: Polyclonal

Isotype: IgG

Molecular Weight: 51kDa

Note:

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.