

KCNQ2 Rabbit pAb

Catalog Number: bs-11728R

Target Protein: KCNQ2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: Flow-Cyt (3µg/Test)

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

Predicted MW: 96 kDa

Entrez Gene: 3785

Swiss Prot: O43526

Source: KLH conjugated synthetic peptide derived from human KCNQ2: 91-150/872.

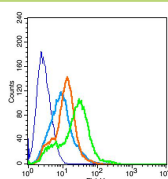
Purification: affinity purified by Protein A

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: Epilepsy affects about 0.5% of the world's population and has a large genetic component. Epilepsy results from an electrical hyperexcitability in the central nervous system. Potassium channels are important regulators of electrical signaling, determining the firing properties and responsiveness of a variety of neurons. Benign familial neonatal convulsions (BFNC), an autosomal dominant epilepsy of infancy, has been shown to be caused by mutations in the KCNQ2 or the KCNQ3 potassium channel genes. KCNQ2 and KCNQ3 are voltage-gated potassium channel proteins with six putative transmembrane domains. Both proteins display a broad distribution within the brain, with expression patterns that largely overlap.

VALIDATION IMAGES



Positive control: RSC96 Isotype Control Antibody: Rabbit IgG ; Secondary Antibody: Goat anti-rabbit IgG-FITC, Dilution: 1:100 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 3µg in 100 µL 1X PBS containing 0.5% BSA.

Key	Name	Parameter	Gate
1	RSC96-Isotype	FL1-H	G1
2	bs-02895-FITC	FL1-H	G1
3	bs-02895-FITC	FL1-H	G1
4	bs-11728R-FITC	FL1-H	G1