

Anti-KCNQ2 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A01259-1-Fluoro647

About KCNQ2

KCNQ2, also called kv7.2, is a potassium channel protein coded for by the gene KCNQ2. It is mapped to 20q13.33. The KCNQ2 gene encodes a voltage-gated potassium channel that is expressed in the brain. Expression of human KCNQ2 in *Xenopus laevis* oocytes led to potassium-selective currents that activated slowly with depolarization. Defects in this gene are a cause of benign familial neonatal convulsions type 1 (BFNC), also known as epilepsy, benign neonatal type 1 (EBN1). At least five transcript variants encoding five different isoforms have been found for this gene.

Overview

Product Name	Anti-KCNQ2 Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O43526

Technical Details

Immunogen	E.coli-derived human KCNQ2 recombinant protein (Position: M371-D408).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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