Datasheet for ABIN1392975

anti-KCNQ2 antibody (AA 91-150) (Alexa Fluor 350)

Go to Product page

Overview

Quantity:	100 µL
Target:	KCNQ2
Binding Specificity:	AA 91-150
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNQ2 antibody is conjugated to Alexa Fluor 350
Application:	Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KCNQ2
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Sheep,Horse
Purification:	Purified by Protein A.

Target Details

Target:	KCNQ2
Alternative Name:	KCNQ2 (KCNQ2 Products)

Target Details

Background:	Synonyms: BFNC, BFNS1, EBN 1, EBN, EBN1, EIEE7, ENB 1, ENB1, HNSPC, KCNA 11, KCNA11, KCNQ 2, Kcnq2, KCNQ2_HUMAN, KQT like 2, KQT-like 2, KV7.2, KVEBN 1, KVEBN1, KvLQT 2, KvLQT2, Neuroblastoma specic potassium channel alpha subunit KvLQT2, Neuroblastoma specic potassium channel protein, Neuroblastoma specic potassium channel subunit alpha, Neuroblastoma specic potassium channel subunit alpha KvLQT2, Neuroblastoma-specic potassium channel subunit alpha KvLQT2, Potassium voltage gated channel KQT like protein 2, Potassium voltage gated channel KQT like subfamily member 2, Potassium voltage gated channel subfamily KQT member 2, Potassium voltage-gated channel subfamily KQT member 2, Voltage gated potassium channel subunit Kv7.2, Voltage-gated potassium channel subunit Kv7.2. 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.

Application Details

Application Notes:	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months