Datasheet for ABIN7191162

anti-Kv2.1/KCNB1 antibody

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	Kv2.1/KCNB1 (KCNB1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kv2.1/KCNB1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide of Human KCNB1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen affinity purification

Target Details

Target:	Kv2.1/KCNB1 (KCNB1)
Alternative Name:	KCNB1 (KCNB1 Products)
Background:	Background: Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four

Target Details

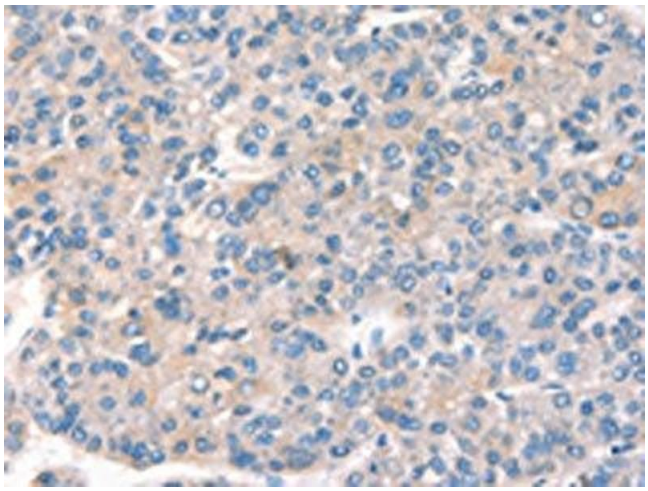
	sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shab-related subfamily. This member is a delayed rectifier potassium channel and its activity is modulated by some other family members. Aliases: Delayed rectifier potassium channel 1 antibody, Delayed rectifier potassium channel Kv2.1 antibody, DRK 1 antibody, DRK1 antibody, h DRK1 K(+) channel antibody, h-DRK1 antibody, hDRK 1 antibody, hDRK1 antibody, KCB 1 antibody, KCB1 antibody, KCNB1 antibody, KCNB1_HUMAN antibody, KV2.1 antibody, Potassium channel protein DRK1 antibody, Potassium voltage gated channel shab related subfamily member 1 antibody, Potassium voltage-gated channel subfamily B member 1 antibody, Voltage-gated potassium channel subunit Kv2.1 antibody
UniProt:	Q14721
Pathways:	Synaptic Membrane

Application Details

Application Notes:	ELISA:1:1000-1:2000, IHC:1:25-1:100,
Restrictions:	For Research Use only

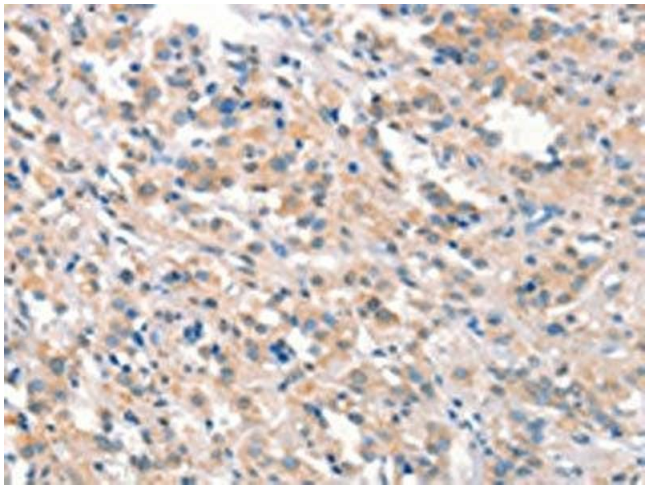
Handling

Format:	Liquid
Buffer:	-20 °C, pH 7.4 PBS, 0.05 % Sodium azide, 40 % Glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ABIN7191162(KCNB1 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x200)



Immunohistochemistry

Image 2. The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ABIN7191162(KCNB1 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x200)