Datasheet for ABIN1386008

anti-KCNAB2 antibody (AA 251-350)

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Overview

Quantity:	100 µL
Target:	KCNAB2
Binding Specificity:	AA 251-350
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNAB2 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KCNA2B/Kv beta 2
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Sheep,Pig,Rabbit,Zebrafish
Purification:	Purified by Protein A.

Target Details

Target:	KCNAB2

Target Details

Alternative Name:	KCNA2B/Kv beta 2 (KCNAB2 Products)
Background:	Synonyms: AKR6A5, HKv beta 2, HKvbeta 2, HKvbeta2.1, HKvbeta2.2, K+ channel subunit beta 2, K+ channel beta 2 subunit, KCNA2B, KCNAB 2, KCNAB2, KCNK2, Kv Beta 2, Kvbeta2, MGC117289, Potassium channel shaker chain beta 2, Potassium voltage gated channel shaker related subfamily, Potassium voltage gated channel shaker related subfamily beta member 2, Voltage gated potassium channel beta 2 subunit, Voltage gated potassium channel subunit beta 2, Background: Voltage-gated K+ channels in the plasma membrane control the repolarization and the frequency of action potentials in neurons, muscles, and other excitable cells. The KV gene family encodes more than 30 genes that comprise the subunits of the K+ channels, and they vary in their gating and permeation properties, subcellular distribution, and expression patterns. Functional KV channels assemble as tetramers consisting of pore-forming a-subunits (KV), which include the KV1, KV2, KV3, and KV4 proteins, and accessory or KV-subunits that modify the gating properties of the coexpressed KV subunits. Differences exist in the patterns of trafficking, biosynthetic processing, and surface expression of the major KV1 subunits (KV1.1, KV1.2, and KV1.4) expressed in rat and human brain, suggesting that the individual protein subunits are highly regulated to control for the assembly and formation of functional neuronal channels. KV beta.2 can also be designated KCNAB2, KKv beta2.1 or AKR6A5.

Application Details

Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months