



[Go to Product page](#)

Datasheet for ABIN1386739
anti-Kv2.1/KCNB1 antibody (pSer805)

Overview

Quantity:	100 µL
Target:	Kv2.1/KCNB1 (KCNB1)
Binding Specificity:	pSer805
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kv2.1/KCNB1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Kv2.1 around the phosphorylation site of Ser805
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	Kv2.1/KCNB1 (KCNB1)
Alternative Name:	Kv2.1 (KCNB1 Products)

Target Details

Background: Synonyms: p-Kv2.1phospho Ser805, Delayed rectifier potassium channel 1, Delayed rectifier potassium channel Kv2.1, DRK 1, DRK1, h DRK1 K+ channel, h-DRK1, hDRK 1, hDRK1, KCB 1, KCB1, KCNB1, KCNB1_HUMAN, KV2.1 , Potassium channel protein DRK1, Potassium voltage gated channel shab related subfamily member 1, Potassium voltage-gated channel subfamily B member 1, Voltage-gated potassium channel subunit Kv2.1.

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 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. [provided by RefSeq].

Gene ID: 3745

Pathways: [Synaptic Membrane](#)

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.

Preservative: ProClin

Handling

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