

# KV?1 Polyclonal Antibody

Cat No: HR1AP9447

For research use only

## Overview

Product Name	KV?1 Polyclonal Antibody
Source	Rabbit
Applications	IHC-p
Species Reactivity	Human,Rat,Mouse
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	50kDa
GeneID?Human?	KCNAB1
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	Voltage-gated potassium channel subunit beta-1 (K(+)) channel subunit beta-1 (Kv-beta-1)
Background	<p>potassium voltage-gated channel subfamily A member regulatory beta subunit 1(KCNAB1) Homo sapiens Potassium 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, shaker-related subfamily. This member includes distinct isoforms which are encoded by alternatively spliced transcript variants of this gene. Some of these isoforms are beta subunits, which form heteromultimeric complexes with alpha subunits and modulate the activity of the pore-forming alp</p>