

## KCNA2B Kv beta 2 Antibody HRP Conjugated

Catalog No: #C01795H

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	KCNA2B Kv beta 2 Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IHC-P IHC-F ICC
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human KCNA2B Kv beta 2
Conjugates	HRP
Target Name	KCNA2B Kv beta 2
Other Names	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
Excitation Emission	N A
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200

## Background

Voltage-gated K<sup>+</sup> 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<sup>+</sup> 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  $\alpha$ -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.

Note: This product is for in vitro research use only