



[Go to Product page](#)

## Datasheet for ABIN1400203 anti-KCNAB1 antibody (AA 131-230) (Biotin)

### Overview

Quantity:	100 µL
Target:	KCNAB1
Binding Specificity:	AA 131-230
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNAB1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KCNAB1/Kv beta 1
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Sheep,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	KCNAB1
Alternative Name:	KCNAB1 ( <a href="#">KCNAB1 Products</a> )

## Target Details

Background:	<p>Synonyms: hKvb3; hKvBeta3; K+ channel subunit beta-1; KCAB1_HUMAN; KCNA1B; KCNAB1; KV-BETA-1; Kvb1.3; Voltage-gated potassium channel beta-1 subunit; Voltage-gated potassium channel subunit beta-1.</p> <p>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 proteins 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 <math>\alpha</math> 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. KV, also known as KCNAB1 (potassium voltage-gated channel, shaker-related subfamily, beta member 1), is a 419 amino acid accessory K+ channel protein that exists as three alternatively spliced isoforms and regulates the activity of the pore-forming <math>\alpha</math> subunit. It is expressed in brain, with highest levels detected in caudate nucleus, hippocampus and thalamus.</p>
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Gene ID:	7881
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## Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 $\mu$ g/ $\mu$ L
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.

## Handling

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Expiry Date: 12 months