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Datasheet for ABIN7269480  
**anti-KCNAB1 antibody (AA 282-401)**

1 Image

Overview

Quantity:	100 µL
Target:	KCNAB1
Binding Specificity:	AA 282-401
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNAB1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	KCNAB1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 282-401 of human KCNAB1 (NP_751891.1).
Sequence:	CGIISGKYGN GVPSSRASL KCYQWLKERI VSEEGRKQQN KDKDLSPIAE RLGCTLPQLA VAWCLRNEGV SSVLLGSSTP EQLIENLGAI QVLPKMTSHV VNEIDNILRN KPYSKKDYRS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	KCNAB1
Alternative Name:	KCNAB1 ( <a href="#">KCNAB1 Products</a> )
Background:	<p>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 alpha subunits.,KCNAB1,AKR6A3,KCNA1B,KV-BETA-1,Kvb1.3,hKvBeta3,hKvb3,Neuroscience,KCNAB1</p>
Molecular Weight:	44kDa/45kDa/46kDa
Gene ID:	7881
UniProt:	<a href="#">Q14722</a>

## Application Details

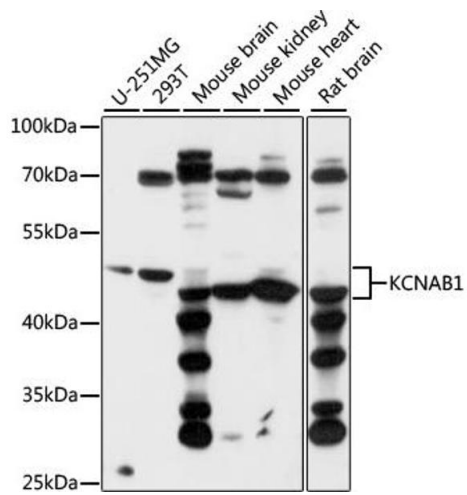
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Application Notes:	WB,1:200 - 1:2000
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using KCN antibody (ABIN7269480) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.