

Datasheet for ABIN7269486
anti-Kv1.4 antibody (AA 250-350)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	Kv1.4 (KCNA4)
Binding Specificity:	AA 250-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kv1.4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	KCNA4 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 250-350 of human KCNA4 (NP_002224.1).
Sequence:	DIFTEEVKFY QLGEALLKF REDEGFVREE EDRALPENEF KKQIWLLFEY PESSSPARGI AIVSVLVILI SIVIFCLETL PEFRDDRD LV MALSAGGHGG L
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

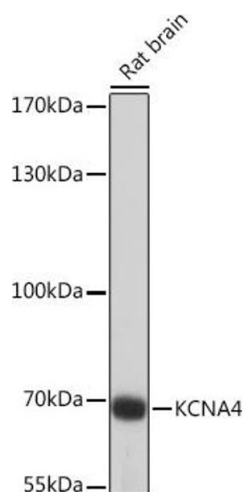
Target:	Kv1.4 (KCNA4)
Alternative Name:	KCNA4 (KCNA4 Products)
Background:	<p>Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, 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 contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the A-type potassium current class, the members of which may be important in the regulation of the fast repolarizing phase of action potentials in heart and thus may influence the duration of cardiac action potential.,KCNA4,HBK4,HK1,HPCN2,HUKII,KCNA4L,KCNA8,KV1.4,PCN2,Neuroscience,KCNA4</p>
Molecular Weight:	73kDa
Gene ID:	3739
UniProt:	P22459

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

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 Rat brain, using KCN Rabbit pAb (ABIN7269486) 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: 20s.