

Datasheet for ABIN7269485
anti-KCNA10 antibody (AA 1-125)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	KCNA10
Binding Specificity:	AA 1-125
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNA10 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	KCNA10 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-125 of human KCNA10 (NP_005540.1).
Sequence:	MDVCGWKEME VALVNFDNSD EIQEEPGYAT DFDSTSPKGR PGGSSFSNGK ILISESTNHE TAFSKLPGDY ADPPGPEPVV LNEGNQVRV NIAGLRFETQ LRTLSQFPET LLGDREKRMQ FFDSM
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

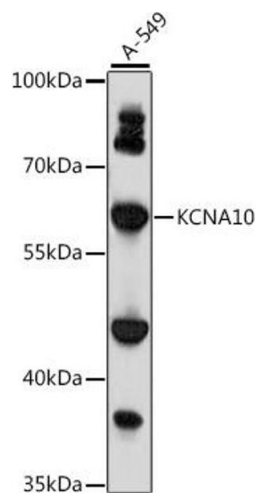
Target:	KCNA10
Alternative Name:	KCNA10 (KCNA10 Products)
Background:	Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, 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 is specifically regulated by cGMP and postulated to mediate the effects of substances that increase intracellular cGMP. This gene is intronless, and the gene is clustered with genes KCNA2 and KCNA3 on chromosome 1.,KCNA10,Kcn1,Kv1.8,Signal Transduction,Endocrine & Metabolism,KCNA10
Molecular Weight:	57kDa
Gene ID:	3744
UniProt:	Q16322

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 A-549 cells, using KCN antibody (ABIN7269485) 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: 60s.