

Datasheet for ABIN927470 **anti-KCNA5 antibody (N-Term)**



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1 Image

Overview

Quantity:	100 µL
Target:	KCNA5
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNA5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KCNA5 antibody was raised in rabbit using the N terminal of KCNA5 as the immunogen
Purification:	Purified

Target Details

Target:	KCNA5
Alternative Name:	KCNA5 (KCNA5 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

Target Details

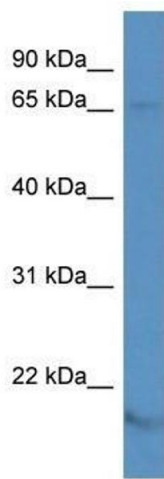
been shown to have human homolog(s). KCNA5 encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the delayed rectifier class, the function of which could restore the resting membrane potential of beta cells after depolarization and thereby contribute to the regulation of insulin secretion. Synonyms: Polyclonal KCNA5 antibody, Anti-KCNA5 antibody, potassium voltage-gated channel, shaker-related subfamily, member 5 antibody, ATFB7 antibody, HCK1 antibody, HK2 antibody, HPCN1 antibody, KV1.5 antibody, MGC117058 antibody, MGC117059 antibody, PCN1 antibody.

Application Details

Application Notes:	Optimal conditions should be determined by the investigator.
Comment:	KCNA5 Blocking Peptide, catalog no. 33R-2102, is also available for use as a blocking control in assays to test for specificity of this KCNA5 antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



Western Blotting

Image 1. Western Blot showing KCNA5 antibody used at a concentration of 1.0 ug/ml against HepG2 Cell Lysate