

Datasheet for ABIN7240040

**anti-KCNA5 antibody****1** Image[Go to Product page](#)

## Overview

Quantity:	200 µL
Target:	KCNA5
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNA5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Recombinant protein of human KCNA5
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## Target Details

Target:	KCNA5
Alternative Name:	KCNA5 ( <a href="#">KCNA5 Products</a> )
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

## Target Details

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 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. This gene is intronless, and the gene is clustered with genes KCNA1 and KCNA6 on chromosome 12. Defects in this gene are a cause of familial atrial fibrillation type 7 (ATFB7).

Molecular Weight:	67 kDa
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UniProt:	<a href="#">P22460</a>
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## Application Details

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

Format:	Liquid
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Concentration:	0.4 mg/mL
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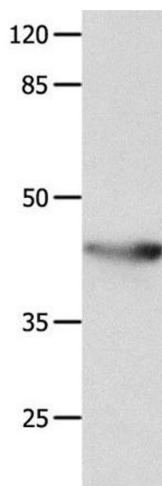
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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#### Western Blotting

**Image 1.** Western Blot analysis of Mouse spleen tissue using KCNA5 Polyclonal Antibody at dilution of 1:700