

Datasheet for ABIN735158  
**anti-KCNA5 antibody (AA 551-613)**[Go to Product page](#)

## 1 Publication

## Overview

Quantity:	100 µL
Target:	KCNA5
Binding Specificity:	AA 551-613
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNA5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KCNA5
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	KCNA5
Alternative Name:	KCNA5 ( <a href="#">KCNA5 Products</a> )
Background:	Synonyms: HK2, HCK1, PCN1, ATFB7, HPCN1, KV1.5, Potassium voltage-gated channel subfamily A member 5, Voltage-gated potassium channel HK2, Voltage-gated potassium

## Target Details

channel subunit Kv1.5, KCNA5

Background: Mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient. This channel displays rapid activation and slow inactivation. May play a role in regulating the secretion of insulin in normal pancreatic islets. Isoform 2 exhibits a voltage-dependent recovery from inactivation and an excessive cumulative inactivation.

Gene ID: 3741

UniProt: [P22460](#)

## Application Details

Application Notes: WB 1:300-5000  
ELISA 1:500-1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Publications

Product cited in: Zhao, Xu, Yun, Zhao, Li, Gong, Yuan, Yan, Zhang, Ding, Wang, Zhang, Dong, Xiu, Yang, Liu, Xue, Li : "Chronic obstructive sleep apnea causes atrial remodeling in canines: mechanisms and implications." in: **Basic research in cardiology**, Vol. 109, Issue 5, pp. 427, (2014) ([PubMed](#)).

