

Datasheet for ABIN2776315  
**anti-KCNH6 antibody (Middle Region)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	KCNH6
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Dog, Rabbit, Cow, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNH6 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human KCNH6
Sequence:	PLASPLHPLE VQGLICGPCF SSLPEHLGSV PKQLDFQRHG SDPGFAGSWG
Predicted Reactivity:	Cow: 93%, Dog: 85%, Horse: 93%, Human: 100%, Mouse: 93%, Pig: 86%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against KCNH6. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	KCNH6
Alternative Name:	KCNH6 ( <a href="#">KCNH6 Products</a> )

## Target Details

Background:	<p>Voltage-gated potassium (Kv) 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. KCNH6 encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit. Voltage-gated potassium (Kv) 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. This gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit. Several alternatively spliced transcript variants have been identified from this gene, but the full-length nature of only two transcript variants has been determined.</p> <p>Alias Symbols: ERG2, HERG2, Kv11.2</p> <p>Protein Size: 905</p>
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Molecular Weight:	100 kDa
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Gene ID:	81033
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NCBI Accession:	<a href="#">NM_173092</a> , <a href="#">NP_775115</a>
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## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 905 AA
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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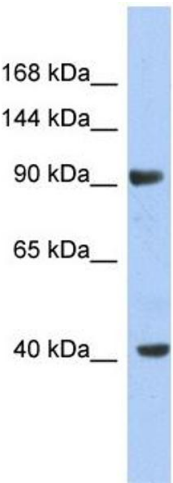
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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## Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-KCNH6 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: NCI-H226 cell lysate KCNH6 is strongly supported by BioGPS gene expression data to be expressed in NCI-H226