

Datasheet for ABIN2776313  
**anti-KCNH5 antibody (N-Term)**

3 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	KCNH5
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Dog, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNH5 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human KCNH5
Sequence:	LTNSRSVLQQ LTPMNKTEVV HKHSRLAEVL QLGSDILPQY KQEAPKTPPH
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against KCNH5. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

## Target Details

Target:	KCNH5
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## Target Details

Alternative Name:	KCNH5 ( <a href="#">KCNH5 Products</a> )
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. The KCNH5 gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit of a voltage-gated non-inactivating delayed rectifier potassium channel. KCNH5 is not expressed in differentiating myoblasts.</p> <p>Alias Symbols: EAG2, H-EAG2, Kv10.2</p> <p>Protein Interaction Partner: KCNH1, UBC,</p> <p>Protein Size: 611</p>
Molecular Weight:	67 kDa
Gene ID:	27133
NCBI Accession:	<a href="#">NM_172375</a> , <a href="#">NP_758963</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 611 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

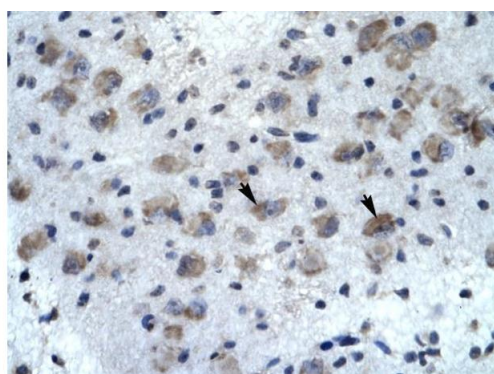
## Handling

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.

## Publications

Product cited in: Ju, Wray: "Molecular identification and characterisation of the human eag2 potassium channel." in: **FEBS letters**, Vol. 524, Issue 1-3, pp. 204-10, (2002) ([PubMed](#)).

## Images



Rabbit Anti-KCNH5 Antibody  
Catalog Number: ARP35478  
Lot Number: QC4767  
Paraffin Embedded Tissue: Human Brain  
Cells with Positive label: Neural cells (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

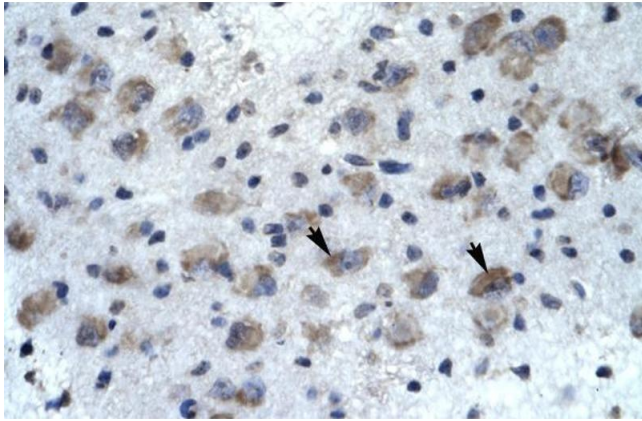
### Immunohistochemistry

**Image 1.** Human Brain



### Western Blotting

**Image 2.** WB Suggested Anti-KCNH5 Antibody Titration: 0.2-1 µg/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate



### Immunohistochemistry

**Image 3.** Human Brain