Datasheet for ABIN2776259

# anti-KCNH6 antibody (N-Term)

2 Images

Go to Product page

## Overview

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

## Product Details

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|---|---|
| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human KCNH6 |
| Sequence: | GKYRTISQIP QFTLNFVEFN LEKHRSSSTT EIEIIAPHKV VERTQNVTEK |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against KCNH6. It was validated on Western Blot and immunohistochemistry. |
| Purification: | Protein A purified |

## Target Details

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|---|---|
| Target: | KCNH6 |

## Target Details

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|---|---|
| Alternative Name: | KCNH6 (KCNH6 Products) |
| Background: | 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.<br>Alias Symbols: ERG2, HERG2, Kv11.2<br>Protein Size: 994 |
| Molecular Weight: | 109 kDa |
| Gene ID: | 81033 |
| NCBI Accession: | NM_030779, NP_110406 |

## Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 994 AA |
| Restrictions: | For Research Use only |

## Handling

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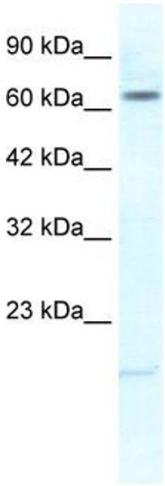
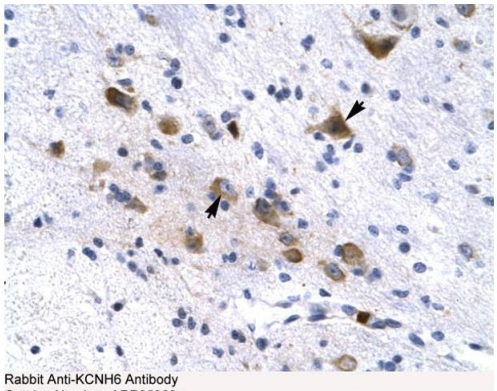
|---|---|
| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE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




## Western Blotting

**Image 1.** WB Suggested Anti-KCNH6 Antibody Titration: 1.25ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate



Rabbit Anti-KCNH6 Antibody
Catalog Number: ARP35363
Lot Number: QC4641
Paraffin Embeded Tissue: Human Brain
Cells with Positive label: Neural cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

## Immunohistochemistry

**Image 2.** Human Brain