

Datasheet for ABIN953000
anti-KCND2 antibody (N-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	KCND2
Binding Specificity:	AA 122-151, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCND2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 122-151 amino acids from the N-terminal region of human KCND2
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human KCND2 (N-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	KCND2
Alternative Name:	KCND2 (KCND2 Products)

Target Details

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. Four sequence-related potassium 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, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. This member mediates a rapidly inactivating, A-type outward potassium current which is not under the control of the N terminus as it is in Shaker channels.Synonyms: KIAA1044, Potassium voltage-gated channel subfamily D member 2, Voltage-gated potassium channel subunit Kv4.2
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Molecular Weight:	70537 Da
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Gene ID:	3751
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NCBI Accession:	NP_036413
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Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	0.25 mg/mL
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Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
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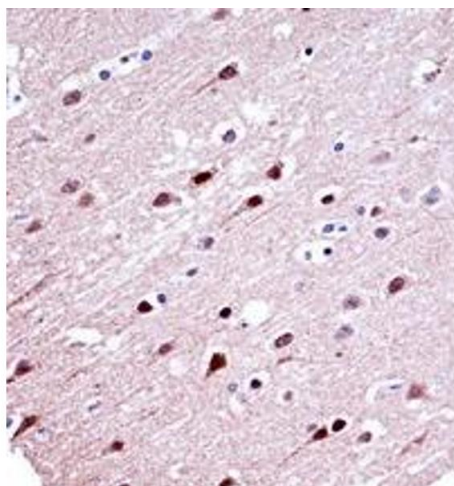
Preservative:	Sodium azide
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Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling Advice:	Avoid repeated freezing and thawing.
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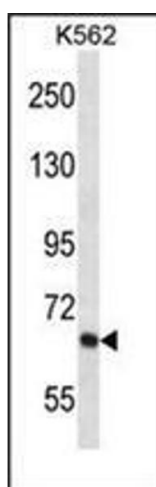
Storage:	4 °C/-20 °C
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Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.
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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue reacted with KCND2 Antibody (N-term) followed which was peroxidase conjugated to the secondary antibody and followed by DAB staining.



Western Blotting

Image 2. Western blot analysis of KCND2 Antibody (N-term) in K562 cell line lysates (35ug/lane). This demonstrates the KCND2 antibody detected the KCND2 protein (arrow).