

Datasheet for ABIN952994
anti-KCNA2 antibody (C-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	KCNA2
Binding Specificity:	AA 450-479, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNA2 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 450-479 amino acids from the C-terminal region of human KCNA2
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human KCNA2 (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	KCNA2
Alternative Name:	KCNA2 (KCNA2 Products)

Target Details

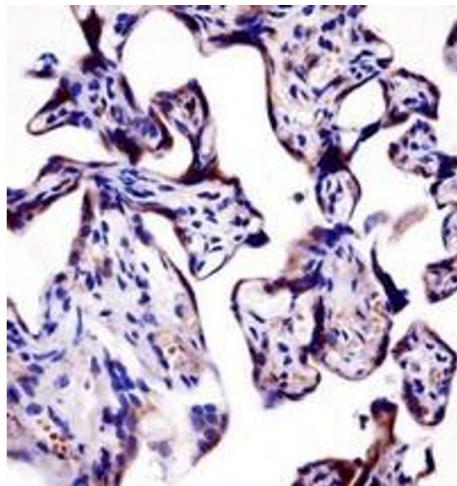
Background:	Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth 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, shaker-related subfamily. This member contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the delayed rectifier class, members of which allow nerve cells to efficiently repolarize following an action potential. The coding region of this gene is intronless, and the gene is clustered with genes KCNA3 and KCNA10 on chromosome 1.Synonyms: HBK5, HUKIV, KCNA2, NGK1, Potassium voltage-gated channel subfamily A member 2, Voltage-gated potassium channel subunit Kv1.2
Molecular Weight:	56717 Da
Gene ID:	3737
NCBI Accession:	NP_004965

Application Details

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

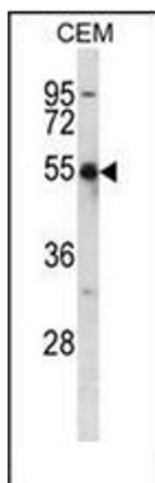
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue reacted with AP52299PU-N, which was peroxidase conjugated to the secondary antibody and followed by DAB staining.



Western Blotting

Image 2. Western blot analysis of KCNA2 Antibody (C-term) in CEM cell line lysates (35ug/lane). This demonstrates the KCNA2 antibody detected the KCNA2 protein (arrow).