Datasheet for ABIN7163956

anti-Kv1.6/KCNA6 antibody (AA 1-171) (HRP)

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Overview

Quantity:	100 µg
Target:	Kv1.6/KCNA6 (KCNA6)
Binding Specificity:	AA 1-171
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kv1.6/KCNA6 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Potassium voltage-gated channel subfamily A member 6 protein (1-171AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Kv1.6/KCNA6 (KCNA6)
Alternative Name:	KCNA6 (KCNA6 Products)
Background:	Background: Voltage-gated potassium channel that mediates transmembrane potassium

Target Details

	transport in excitable membranes. Forms tetrameric potassium-selective channels through which potassium ions pass in accordance with their electrochemical gradient (PubMed:2347305, PubMed:14575698). The channel alternates between opened and closed conformations in response to the voltage difference across the membrane (PubMed:2347305, PubMed:14575698). Can form functional homotetrameric channels and heterotetrameric channels that contain variable proportions of KCNA1, KCNA2, KCNA4, KCNA6, and possibly other family members as well, channel properties depend on the type of alpha subunits that are part of the channel. Channel properties are modulated by cytoplasmic beta subunits that regulate the subcellular location of the alpha subunits and promote rapid inactivation. Homotetrameric channels display rapid activation and slow inactivation (PubMed:2347305). Aliases: HBK 2 antibody, HBK2 antibody, Human brain potassium channel 2 antibody, KCNA 6 antibody, Kcna6 antibody, KCNA6_HUMAN antibody, Potassium voltage gated channel shaker related subfamily member 6 antibody, Potassium voltage gated channel subfamily A member 6 antibody, Potassium voltage-gated channel subfamily A member 6 antibody, Voltage gated potassium channel protein Kv1.6 antibody, Voltage gated potassium channel subunit Kv1.6 antibody, Voltage-gated potassium channel HBK2 antibody, Voltage-gated potassium channel subunit Kv1.6 antibody
UniProt:	P17658

Application Details

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

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.