



KCNA5 Antibody

Product Code	CSB-PA074982
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P22460
Immunogen	Synthesized peptide derived from internal of Human KCNA5.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of total KCNA5 protein.
Tested Applications	ELISA, WB; WB: 1:500-1:3000
Relevance	Mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient. This channel displays rapid activation and slow inactivation. May play a role in regulating the secretion of insulin in normal pancreatic islets. Isoform 2 exhibits a voltage-dependent recovery from inactivation and an excessive cumulative inactivation.
	Tamkun M.M., FASEB J. 5:331-337(1991). Philipson L.H., Proc. Natl. Acad. Sci. U.S.A. 88:53-57(1991). Curran M.E., Genomics 12:729-737(1992).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	Potassium voltage-gated channel subfamily A member 5; Voltage-gated potassium channel subunit Kv1.5; HK2; HPCN1;
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	KCNA5
Image	

