

DNAxPAb

Hard-to-Find
Antibody

KCNA4 DNAxPAb

Catalog # H00003739-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human KCNA4 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — KCNA4

Entrez GeneID	3739
GeneBank Accession#	NM_002233.2
Protein Accession#	NP_002224.1
Gene Name	KCNA4
Gene Alias	HBK4, HK1, HPCN2, HUKII, KCNA4L, KCNA8, KV1.4, PCN2
Gene Description	potassium voltage-gated channel, shaker-related subfamily, member 4
Omim ID	176266
Gene Ontology	Hyperlink
Gene Summary	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 A-type potassium current class, the members of which may be important in the regulation of the fast repolarizing phase of action potentials in heart and thus may influence the duration of cardiac action potential. The coding region of this gene is intronless, and the gene is clustered with genes KCNA3 and KCNA10 on chromosome 1. [provided by RefSeq]
Other Designations	cardiac potassium channel fetal skeletal muscle potassium channel potassium channel 2 potassium voltage-gated channel, shaker-related subfamily, member 4-like rapidly inactivating potassium channel shaker-related potassium channel Kv1.4 type A potassium c