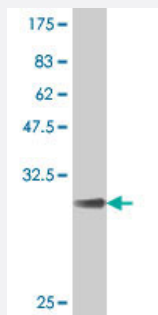


KCNE2 polyclonal antibody (A01)

Catalog # H00009992-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (31.72 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant KCNE2.
Immunogen	KCNE2 (NP_751951, 73 a.a. ~ 123 a.a) partial recombinant protein with GST tag.
Sequence	KSKRREHSNDPYHQYIVEDWQEKYKSQILNLEESKATIHENIGAAGFKMSP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (82)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (31.72 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — KCNE2

Entrez GeneID [9992](#)

GeneBank Accession# [NM_172201](#)

Protein Accession# [NP_751951](#)

Gene Name KCNE2

Gene Alias LQT5, LQT6, MGC138292, MIRP1

Gene Description potassium voltage-gated channel, Isk-related family, member 2

Omim ID [603796 607554](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. This gene encodes a member of the potassium channel, voltage-gated, Isk-related subfamily. This member is a small integral membrane subunit that assembles with the KCNH2 gene product, a pore-forming protein, to alter its function. This gene is expressed in heart and muscle and the gene mutations are associated with cardiac arrhythmia. [provided by RefSeq]

Other Designations cardiac voltage-gated potassium channel accessory subunit 2|minK-related peptide-1|minimum potassium ion channel-related peptide 1|potassium channel subunit, MiRP1|potassium voltage-gated channel subfamily E member 2|voltage-gated K⁺ channel subunit MIRP1

Publication Reference

- [Differential regulation of HCN channel isoform expression in thalamic neurons of epileptic and non-epileptic rat strains.](#)

Kanyshkova T, Meuth P, Bista P, Liu Z, Ehling P, Caputi L, Dongi M, Chetkovich DM, Pape HC, Budde T.

Neurobiology of Disease 2012 Jan; 45(1):450.

Application: WB-Ti, Rat, Rat cortex

Disease

- [Arrhythmia](#)
- [Arrhythmias](#)
- [Atrioventricular Block](#)
- [Brugada Syndrome](#)
- [Cardiomyopathies](#)
- [Cardiovascular Diseases](#)
- [Channelopathies](#)
- [Chromosome Deletion](#)
- [Cognition](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Death](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Gastroparesis](#)
- [Genetic Predisposition to Disease](#)
- [Heart Block](#)
- [Long QT syndrome](#)
- [Migraine without Aura](#)
- [Myocardial Infarction](#)
- [Romano-Ward Syndrome](#)
- [Schizophrenia](#)
- [Sudden Infant Death](#)
- [Syncope](#)

- [Torsades de Pointes](#)