

Datasheet

KCNG3 polyclonal antibody (A01)

Catalog Number: H00170850-A01

Regulation Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a partial recombinant KCNG3.

Immunogen: KCNG3 (NP_579875, 23 a.a. ~ 121 a.a) partial recombinant protein with GST tag.

Sequence:

SRELLKDFPLRRVSR LHGCRSERDVLEV CDDYDRERN
EYFFDRHSEAFGFILLYVRGHGKLR FAPRMCELSFYNE
MIYWGLEG AHLEYCCQRRLLDDRMS

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Re, WB-Ti

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Storage Buffer: 50 % glycerol

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 170850

Gene Symbol: KCNG3

Gene Alias: KV10.1, KV6.3

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, subfamily G. This member is a gamma subunit functioning as a modulatory molecule.

Alternative splicing results in two transcript variants encoding distinct isoforms. [provided by RefSeq]

References:

1. De novo expression of Kv6.3 contributes to changes in vascular smooth muscle cell excitability in a hypertensive mice strain. Moreno-Dominguez A, Ciudad P, Miguel-Velado E, Lopez-Lopez JR, Perez-Garcia MT. J Physiol. 2009 Feb 1;587(Pt 3):625-40. Epub 2008 Dec 15.