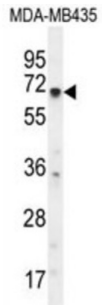
Potassium Voltage-Gated Channel Subfamily Q Member 1 (KCNQ1) Antibody

Catalogue No.:abx026614



This gene encodes a voltage-gated potassium channel required for the repolarization phase of the cardiac action potential. The gene product can form heteromultimers with two other potassium channel proteins, KCNE1 and KCNE3. Mutations in this gene are associated with hereditary long QT syndrome (also known as Romano-Ward syndrome), Jervell and Lange-Nielsen syndrome and familial atrial fibrillation. The gene is located in a region of chromosome 11 that contains a number of contiguous genes, which are abnormally imprinted in cancer and the Beckwith-Wiedemann syndrome. This gene is also imprinted, with preferential expression from the maternal allele in some tissues, excluding cardiac muscle. Alternatively spliced transcripts encoding distinct isoforms have been described.

Target:	Potassium Voltage-Gated Channel Subfamily Q Member 1 (KCNQ1)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 4-33 amino acids from the N-terminal region of human KCNQ1.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

UniProt Primary AC:	P51787 (UniProt, ExPASy)
KEGG:	hsa:3784
String:	9606.ENSP00000155840
Molecular Weight:	Calculated MW: 74.7 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com