

Datasheet for ABIN656077

## anti-KCNQ1 antibody (N-Term)



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	400 µL
Target:	KCNQ1
Binding Specificity:	AA 4-33, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNQ1 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	This KCNQ1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-33 amino acids from the N-terminal region of human KCNQ1.
Clone:	RB31015
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Target Details

Target:	KCNQ1
Alternative Name:	KCNQ1 ( <a href="#">KCNQ1 Products</a> )
Background:	This gene encodes a voltage-gated potassium channel required for the repolarization phase of

## Target Details

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.

Molecular Weight: 74699

Gene ID: 3784

NCBI Accession: [NP\\_000209](#)

UniProt: [P51787](#)

Pathways: [Negative Regulation of Hormone Secretion, Sensory Perception of Sound](#)

## Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

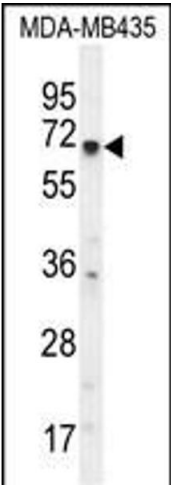
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

**Image 1.** KCNQ1 Antibody (N-term) (ABIN656077 and ABIN2845424) western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the KCNQ1 antibody detected the KCNQ1 protein (arrow).