

Product datasheet for **AP52316PU-N**

KCNQ1 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 11-42 amino acids from the N-terminal region of human KCNQ1
Specificity:	This antibody recognizes Human KCNQ1 (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	potassium voltage-gated channel subfamily Q member 1
Database Link:	Entrez Gene 3784 Human P51787



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Background:

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.

Synonyms:

KCNA8, KCNA9, KVLQT1, KQT-like 1, Potassium voltage-gated channel subfamily KQT member 1, Voltage-gated potassium channel subunit Kv7.1

Note:

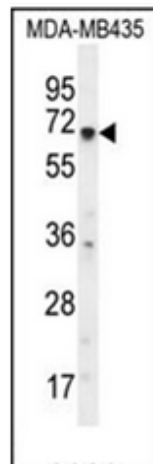
Molecular Weight: 74699 Da

Protein Families:

Druggable Genome, Ion Channels: Potassium, Transmembrane

Protein Pathways:

Vibrio cholerae infection

Product images:

Western blot analysis of KCNQ1 Antibody (N-term) in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the KCNQ1 antibody detected the KCNQ1 protein (arrow).