



## Goat anti-KCNQ1 Antibody

<b>Item Number</b>	dAP-1742
<b>Target Molecule</b>	Principle Name: KCNQ1; Official Symbol: KCNQ1; All Names and Symbols: KCNQ1; potassium voltage-gated channel, KQT-like subfamily, member 1; ATFB1; FLJ26167; JLNS1; KCNA8; KCNA9; KVLQT1; Kv1.9; Kv7.1; LQT; LQT1; RWS; SQT2; WRS; Jervell and Lange-Nielsen syndrome 1; kidney and cardiac voltage dependent K <sup>+</sup> channel; long (elect; Accession Number (s): NP_000209.2; NP_861463.1; Human Gene ID(s): 3784; Non-Human GeneID(s): 16535 (mouse) 84020 (rat)
<b>Immunogen</b>	EQLTVPRRGPDEGS, is from C Terminus This antibody is expected to recognize both reported isoforms (NP_000209.2; NP_861463.1).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 16000.
<b>Western Blot</b>	Western Blot: Approx. 60kDa band observed in Human Heart lysates (calculated MW of 61.5kDa according to NP_861463.1). Recommended concentration: 1-3µg/ml. An additional band of unknown identity was also consistently observed at 28kDa. This band was succe
<b>IHC</b>	
<b>Reference</b>	Reference(s): Yasuda K, Miyake K, Horikawa Y, Hara K, Osawa H, Furuta H, Hirota Y, Mori H, Jonsson A, Sato Y, Yamagata K, Hinokio Y, Wang HY, Tanahashi T, Nakamura N, Oka Y, Iwasaki N, Iwamoto Y, Yamada Y, Seino Y, Maegawa H, Kashiwagi A, Takeda J, Maeda E, Shin HD, Ch Variants in KCNQ1 are

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**