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Product datasheet for AP52318PU-N

KCNQ5 (C-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, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 780-809 amino acids from the C-terminal region of human KCNQ5
Specificity:	This antibody recognizes Human and Mouse KCNQ5 (C-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 5
Database Link:	Entrez Gene 226922 MouseEntrez Gene 56479 Human Q9NR82

View online »

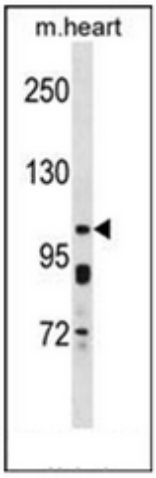
Background: This gene is a member of the KCNQ potassium channel gene family that is differentially expressed in subregions of the brain and in skeletal muscle. The protein encoded by this gene yields currents that activate slowly with depolarization and can form heteromeric channels with the protein encoded by the KCNQ3 gene. Currents expressed from this protein have voltage dependences and inhibitor sensitivities in common with M-currents. They are also inhibited by M1 muscarinic receptor activation. Multiple transcript variants encoding different isoforms have been found for this gene.

Synonyms: Potassium voltage-gated channel subfamily KQT member 5, Voltage-gated potassium channel subunit Kv7.5, Potassium channel subunit alpha KvLQT5, KQT-like 5

Note: **Molecular Weight:** 102179 Da

Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:



Western blot analysis of KCNQ5 Antibody (C-term) in mouse heart tissue lysates (35ug/lane). This demonstrates the KCNQ5 antibody detected the KCNQ5 protein (arrow).