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KCNG1 antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # AI10843

Product Information

Application WB
Primary Accession Q9UIX4

Other Accession NM 002237, NP 002228

Reactivity Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine

Predicted Mouse, Rat, Pig, Chicken, Dog, Horse

Host Rabbit
Clonality Polyclonal
Calculated MW 57913

Additional Information

Gene ID 3755

Alias Symbol K13, KCNG, KV6.1, MGC12878, kH2

Other Names Potassium voltage-gated channel subfamily G member 1, Voltage-gated

potassium channel subunit Kv6.1, kH2, KCNG1

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

Reconstitution & Storage Add 50 ul of distilled water. Final anti-KCNG1 antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

20°C. Avoid repeat freeze-thaw cycles.

Precautions KCNG1 antibody - N-terminal region is for research use only and not for use

in diagnostic or therapeutic procedures.

Protein Information

Name KCNG1 (<u>HGNC:6248</u>)

Function Regulatory alpha-subunit of the voltage-gated potassium (Kv) channel which,

when coassembled with KCNB1 or KCNB2, can modulate their expression and their gating kinetics by acting on deactivation upon repolarization and

inactivation during maintained depolarization (PubMed: 19074135). Potassium

channel subunit that does not form functional channels by itself

(PubMed: 19074135).

Cell membrane {ECO:0000250 | UniProtKB:Q14721}; Multi-pass membrane

protein. Note=Colocalizes with KCNB1 at the plasma membrane.

{ECO:0000250 | UniProtKB:Q14721}

Expressed in brain and placenta, and at much lower levels in kidney and pancreas (PubMed:9434767)

References

Gutman, G.A., (2005) Pharmacol. Rev. 57 (4), 473-508 Reconstitution and Storage: For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-KCNG1 Antibody Titration: 0.2-1 μ g/ml ELISA Titer: 1:62500

Positive Control: MCF7 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.