

KCNG1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10843**Specification**

KCNG1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9UIX4
Other Accession	NM_002237 , NP_002228
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted Host	Mouse, Rat, Pig, Chicken, Horse, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 58kDa KDa

KCNG1 antibody - N-terminal region - 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.

KCNG1 antibody - N-terminal region - Protein Information

Name KCNG1 ([HGNC:6248](#))

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).

Cellular Location

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

Note=Colocalizes with KCNB1 at the plasma membrane. {ECO:0000250|UniProtKB:Q14721}

Tissue Location

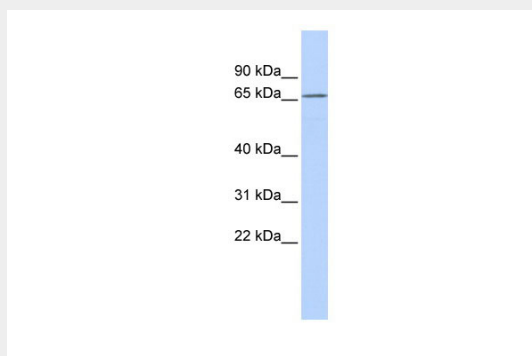
Expressed in brain and placenta, and at much lower levels in kidney and pancreas

(PubMed:9434767)

KCNG1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KCNG1 antibody - N-terminal region - Images

WB Suggested Anti-KCNG1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: MCF7 cell lysate

KCNG1 antibody - N-terminal region - References

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