



Rabbit Anti-KCNG1 antibody

SL12174R

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| Product Name: | KCNG1 |
| Chinese Name: | 电压门控性钾Channel protein亚基kv6.1抗体 |
| Alias: | K13; KCNG; kH2; KV6.1; Potassium voltage gated channel subfamily G; Potassium voltage gated channel subfamily G member 1; Voltage gated potassium channel subunit Kv6.1; KCNG1_HUMAN. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,Guinea Pig, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 58kDa |
| Cellular localization: | The cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human KCNG1:401-500/513<Cytoplasmic> |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 癆 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20癆. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癆. |
| PubMed: | PubMed |
| Product Detail: | Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, |

neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, subfamily G. This gene is abundantly expressed in skeletal muscle. Multiple alternatively spliced transcript variants have been found in normal and cancerous tissues. [provided by RefSeq, Jul 2008].

Function:

KCNG1 is a member of the potassium channel, voltage-gated, subfamily G. Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene is abundantly expressed in skeletal muscle. Alternative splicing results in at least two transcript variants encoding distinct isoforms.

Subunit:

Heterotetramer of potassium channel proteins (By similarity).

Subcellular Location:

Membrane; multi-pass membrane protein

Tissue Specificity:

Detected in brain and placenta, and at much lower levels in kidney and pancreas.

Similarity:

Belongs to the potassium channel family. G (TC 1.A.1.2) subfamily. Kv6.1/KCNG1 sub-subfamily.

SWISS:

Q9UIX4

Gene ID:

3755

Database links:

[Entrez Gene: 3755](#)Human

[Entrez Gene: 241794](#)Mouse

[Entrez Gene: 296395](#)Rat

[Omim: 603788](#)Human

[SwissProt: Q9UIX4](#)Human

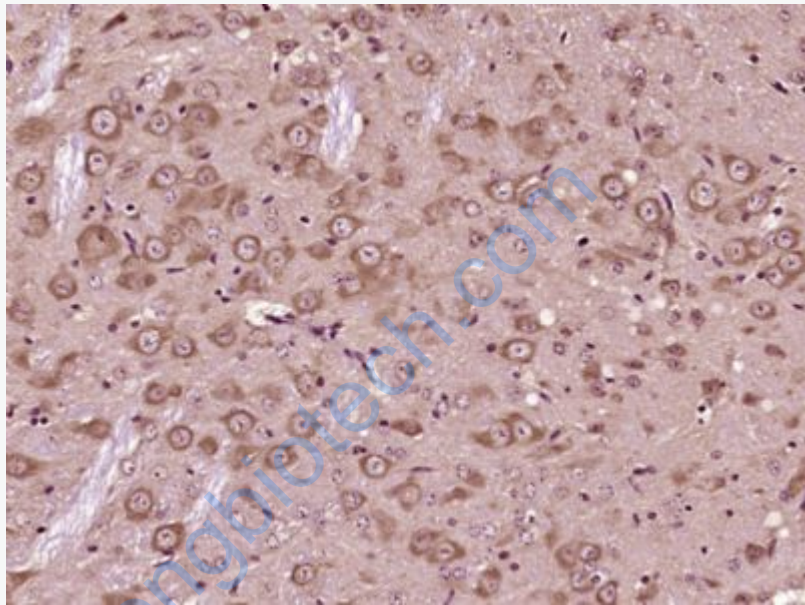
[SwissProt: A2BDX4](#)Mouse

[Unigene: 118695](#)Human

[Unigene: 91149](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KCNG1) Polyclonal Antibody, Unconjugated (SL12174R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.