

[Go to Product page](#)

Datasheet for ABIN1405069 **anti-Kcng2 antibody (Biotin)**

Overview

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|--------------|--|
| Quantity: | 100 µL |
| Target: | Kcng2 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Kcng2 antibody is conjugated to Biotin |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human KCNG2 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|--|
| Target: | Kcng2 |
| Alternative Name: | KCNG2 (Kcng2 Products) |
| Background: | <p>Synonyms: Cardiac potassium channel subunit, KCNG2, KCNG2_HUMAN, KV6.2, Potassium voltage-gated channel subfamily G member 2, Voltage-gated potassium channel subunit Kv6.2.</p> <p>Background: Neuronal and cardiac cells are excited by voltage-gated ion channels. Voltage-gated K⁺ channels in the plasma membrane control the repolarization and the frequency of</p> |

Target Details

action potentials in neurons, muscles and other excitable cells. Mutations interfering with potassium ion channels are known to cause a variety of disorders. KCNG2 (potassium voltage-gated channel subfamily G member 2) is also known as voltage-gated potassium channel subunit KV6.2, cardiac potassium channel subunit or KCNF2 and is a 466 amino acid protein. KCNG2 is a multi-pass membrane protein abundantly expressed in heart, liver, skeletal muscle, kidney and pancreas, and detected at lower concentrations in brain, lung and placenta. KCNG2 is an electrically silent subunit that forms heterodimers with KV2.1, creating a unique functional K⁺ channel. KCNG2-KV2.1 heterodimers are known to be inhibited by tetraethylammonium and propafenone. KCNG2 is thought to downregulate potassium channel currents because KCNG2-KV2.1 heterodimers generate smaller currents than KV2.1 homodimers

Gene ID: 26251

UniProt: [Q9UJ96](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months