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Datasheet for ABIN1395607 anti-KCNT2 antibody (AA 51-150) (Biotin)

Overview

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| Quantity: | 100 µL |
| Target: | KCNT2 |
| Binding Specificity: | AA 51-150 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KCNT2 antibody is conjugated to Biotin |
| Application: | ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human KCNT2 |
| Isotype: | IgG |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Chicken, Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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|-------------------|---|
| Target: | KCNT2 |
| Alternative Name: | KCNT2 (KCNT2 Products) |
| Background: | Synonyms: KCa4.2, Potassium channel, subfamily T, member 2, Sequence like an intermediate |

Target Details

conductance potassium channel subunit, SLICK, SLO2.1, Sodium and chloride activated ATP sensitive potassium channel, Sodium and chloride activated ATP sensitive potassium channel Slo2.1, KCNT2_HUMAN.

Background: Voltage-gated K⁺ channels in the plasma membrane are important regulators of electrical signaling, controlling the repolarization and the frequency of action potentials in neurons, muscles and other excitable cells. KCNT2 is a 1,135 amino acid multi-pass transmembrane protein belonging to the potassium channel family (calcium-activated subfamily) of proteins. KCNT2 produces rapidly activating outward rectifier potassium currents in reponse to high intracellular sodium and chloride levels. Its channel activity is inhibited by ATP, inhalation anesthetics, such as isoflourane, and upon stimulation of G-protein coupled receptors, such as mAChR M1 and GluR-1. There are four isoforms of KCNT2 that are produced as a result of alternative splicing events.

Application Details

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| Application Notes: | IHC-P 1:200-400 IHC-F 1:100-500 |
| Restrictions: | For Research Use only |

Handling

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| 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 |