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Datasheet for ABIN1400202

anti-KCNAB1 antibody (AA 131-230) (Alexa Fluor 647)

Overview

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| Quantity: | 100 µL |
| Target: | KCNAB1 |
| Binding Specificity: | AA 131-230 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KCNAB1 antibody is conjugated to Alexa Fluor 647 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human KCNAB1/Kv beta 1 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Rat |
| Predicted Reactivity: | Mouse,Dog,Cow,Sheep,Pig,Chicken,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | KCNAB1 |
| Alternative Name: | KCNAB1 (KCNAB1 Products) |

Target Details

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| Background: | <p>Synonyms: hKvb3; hKvBeta3; K⁺ channel subunit beta-1; KCAB1_HUMAN; KCNA1B; KCNAB1; KV-BETA-1; Kvb1.3; Voltage-gated potassium channel beta-1 subunit; Voltage-gated potassium channel subunit beta-1.</p> <p>Background: Voltage-gated K⁺ channels in the plasma membrane control the repolarization and the frequency of action potentials in neurons, muscles and other excitable cells. The KV gene family encodes more than 30 proteins that comprise the subunits of the K⁺ channels, and they vary in their gating and permeation properties, subcellular distribution and expression patterns. Functional KV channels assemble as tetramers consisting of pore-forming α subunits (KV), which include the KV1, KV2, KV3 and KV4 proteins, and accessory or KV-subunits that modify the gating properties of the coexpressed KV subunits. KV, also known as KCNAB1 (potassium voltage-gated channel, shaker-related subfamily, beta member 1), is a 419 amino acid accessory K⁺ channel protein that exists as three alternatively spliced isoforms and regulates the activity of the pore-forming α subunit. It is expressed in brain, with highest levels detected in caudate nucleus, hippocampus and thalamus.</p> |
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| Gene ID: | 7881 |
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Application Details

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| Application Notes: | IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
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| Concentration: | 1 $\mu\text{g}/\mu\text{L}$ |
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| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
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| Preservative: | ProClin |
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| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
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| Storage: | -20 °C |
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| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
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Handling

Expiry Date: 12 months