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Datasheet for ABIN2483538

anti-KCNJ2 antibody (AA 41-64) (APC)

4 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | KCNJ2 |
| Binding Specificity: | AA 41-64 |
| Reactivity: | Mouse |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This KCNJ2 antibody is conjugated to APC |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Antibody Array (AA) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Fusion protein amino acids 41-64 and 189-428 of mouse Kir2.1 |
| Clone: | S112 |
| Isotype: | IgG1 |
| Specificity: | Detects ~45 kDa. No cross-reactivity against Kir2.2 or Kir2.3. |
| Cross-Reactivity: | Human, Monkey, Mouse, Rat |
| Purification: | Protein G Purified |

Target Details

| | |
|---------|-------|
| Target: | KCNJ2 |
|---------|-------|

Target Details

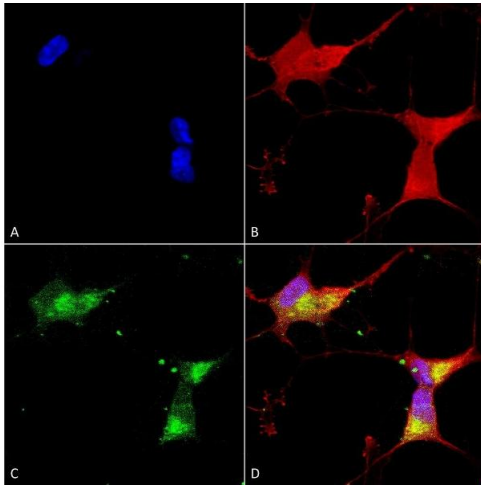
| | |
|-------------------|---|
| Alternative Name: | Kir2.1 (KCNJ2 Products) |
| Background: | The Kir2.1 inward-rectifier potassium ion channel is encoded by the KCNJ2 gene. A defect in this gene is associated with Andersen-Tawil syndrome (1). |
| Gene ID: | 16518 |
| NCBI Accession: | NP_032451 |
| UniProt: | P35561 |

Application Details

| | |
|--------------------|---|
| Application Notes: | <ul style="list-style-type: none">• WB (1:1000)• IHC (1:1000)• ICC/IF (1:100)• optimal dilutions for assays should be determined by the user. |
| Comment: | 1 µg/ml of ABIN2483538 was sufficient for detection of Kir2.1 in 10 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody. |
| Restrictions: | For Research Use only |

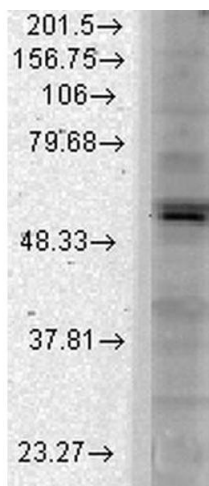
Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C |
| Storage Comment: | Conjugated antibodies should be stored at 4°C |



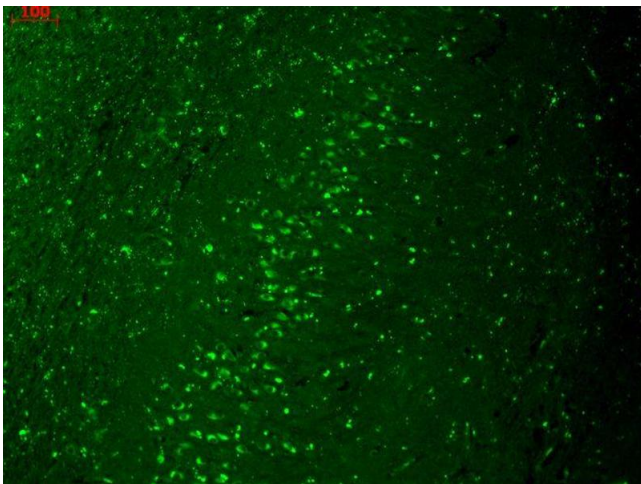
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Kir2.1 Monoclonal Antibody, Clone S112 (ABIN2483538). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4 % PFA for 15 min. Primary Antibody: Mouse Anti-Kir2.1 Monoclonal Antibody (ABIN2483538) at 1:50 for overnight at 4 °C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain, Hoechst (blue) nuclear stain at 1:800, 1.6 mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Kir2.1 Antibody (D) Composite.



Western Blotting

Image 2. Western Blot analysis of Monkey COS transient cell lysate showing detection of Kir2.1 Potassium Channel protein using Mouse Anti-Kir2.1 Potassium Channel Monoclonal Antibody, Clone S112B-14 . Load: 15 µg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Kir2.1 Potassium Channel Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



Immunohistochemistry

Image 3. Immunohistochemistry analysis using Mouse Anti-Kir2.1 Potassium Channel Monoclonal Antibody, Clone S112B-14 . Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Kir2.1 Potassium Channel Monoclonal Antibody at 1:1000 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2483538.