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Datasheet for ABIN2483541

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

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 HRP
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
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Target Details

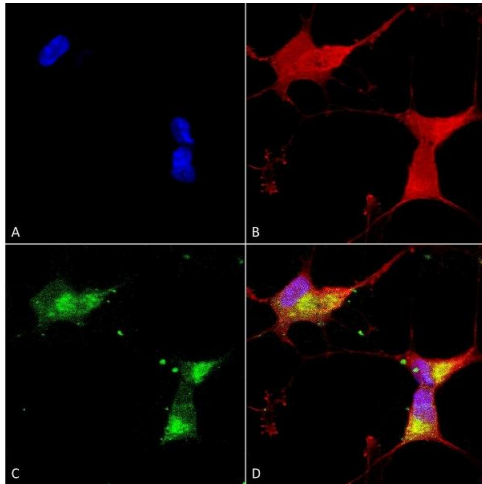
Alternative Name:	Kir2.1 (KCNJ2 Products)
Background:	The Kir2.1 inward-rectifier potassium ion channel is encoded by the KCNJ2 gene. A defect in this gene is associated with Andersen-Tawil syndrome (1).
Gene ID:	16518
NCBI Accession:	NP_032451
UniProt:	P35561

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 ABIN2483541 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

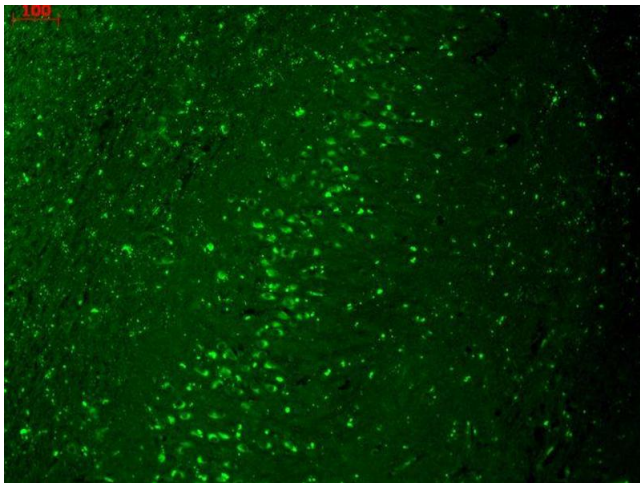
Handling

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



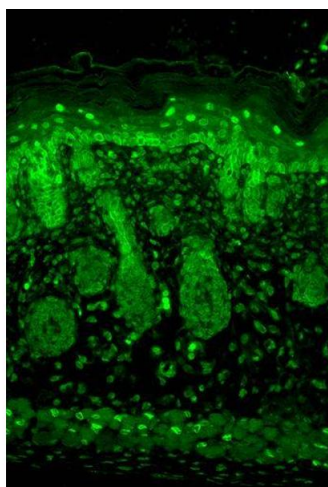
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Kir2.1 Monoclonal Antibody, Clone S112 (ABIN2483541). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4 % PFA for 15 min. Primary Antibody: Mouse Anti-Kir2.1 Monoclonal Antibody (ABIN2483541) 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 (green) stain. (D) Composite.



Immunohistochemistry

Image 2. 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.



Immunohistochemistry

Image 3. Immunohistochemistry analysis using Mouse Anti-Kir2.1 Potassium Channel Monoclonal Antibody, Clone S112B-14 . Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Kir2.1 Potassium Channel Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Nuclear expression in the epidermis and hair follicles.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2483541.