Datasheet for ABIN6657695

anti-KCNJ2 antibody (Internal Region)

2 Images

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Overview

Quantity:	100 µg
Target:	KCNJ2
Binding Specificity:	Internal Region
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KCNJ2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP), Fluorescence Microscopy (FM)

Product Details

Purpose:	Kir2.1 Antibody
Immunogen:	Kir2.1 Antibody was produced in mice by repeated immunizations raised against a fusion protein at an internal region of mouse Kir2.1.
Clone:	S112
Isotype:	IgG1
Purification:	Anti-Kir2.1 Antibody was purified by Protein G chromatography.
Sterility:	Sterile filtered

Target Details

Target:	KCNJ2
Alternative Name:	Kir2.1 (KCNJ2 Products)
Background:	Synonyms: HHBIRK1, HHIRK1, HIRK 1, IRK1, KCNJ2, LQT7, SQT3, potassium inwardly rectifying channel J2, Inward rectifier, potassium channel 2, Inward rectifier K(+) channel Kir2.1, IRK-1 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. Gene Name: Kcnj2
Gene ID:	16518
NCBI Accession:	NP_032451
UniProt:	P35561

Application Details

Application Notes:	Immunohistochemistry_Dilution: 0.1-1.0 µg/mL IF_Microscopy_Dilution: 1.0-10 µg/mL Western_Blot_Dilution: 1.0 µg/mL
Comment:	Anti-Kir2.1 Antibody is tested for use in WB, IF, IP, and IHC. Expect a band approximately ~45kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

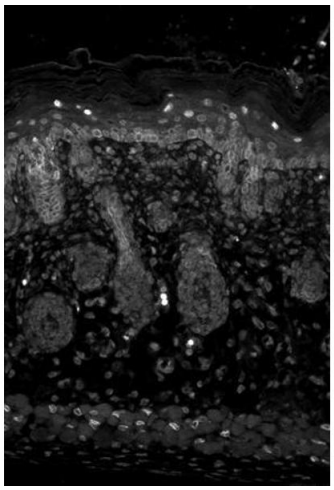
Handling

Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 50 % (v/v) Glycerol Preservative: 0.09 % (w/v) Sodium Azide
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,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after

Handling

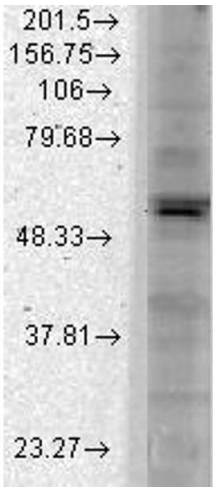
	standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Immunohistochemistry of mouse anti-Kir2.1 antibody. Tissue: Back sections of mouse. Primary Antibody: Kir2.1 antibody at 1 µg/mL for 1h at RT. Secondary antibody: Peroxidase mouse secondary at 1:10,000 for 45 min at RT. Localization: membrane. Staining: Kir2.1 as white signal.



Western Blotting

Image 2. Kir 2.1 Western Blot. Western Blot of mouse anti-Kir2.1 antibody. Lane 1: Cos Transient Cells. Primary antibody: Kir2.1 antibody at 1:1000 for overnight at 4°C. Secondary antibody: Goat anti-mouse IgG HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% Blotto overnight 4°C. Predicted/Observed size: 48.3 kDa/55 kDa for Kir2.1 total. Other band(s): none.