

Datasheet for ABIN2483530  
**anti-KCNJ2 antibody (AA 41-64) (Atto 488)**[Go to Product page](#)

## 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 Atto 488
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

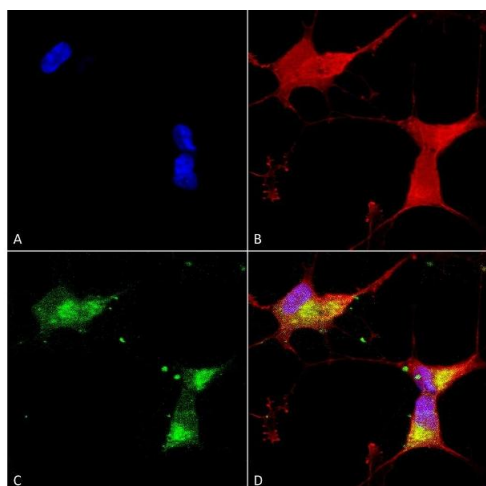
Alternative Name:	Kir2.1 ( <a href="#">KCNJ2 Products</a> )
Background:	The Kir2.1 inward-rectifier potassium ion channel is encoded by the KCNJ2 gene. A defect in this gene is associated with Andersen-Tawil syndrome (1).
Gene ID:	16518
NCBI Accession:	<a href="#">NP_032451</a>
UniProt:	<a href="#">P35561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

## Application Details

Application Notes:	<ul style="list-style-type: none"><li>• WB (1:1000)</li><li>• IHC (1:1000)</li><li>• ICC/IF (1:100)</li><li>• optimal dilutions for assays should be determined by the user.</li></ul>
Comment:	1 µg/ml of ABIN2483530 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

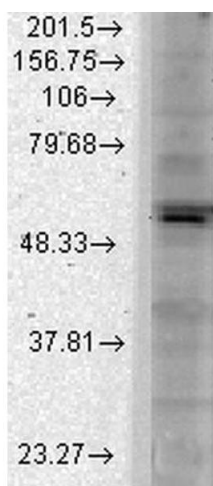
## Handling

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



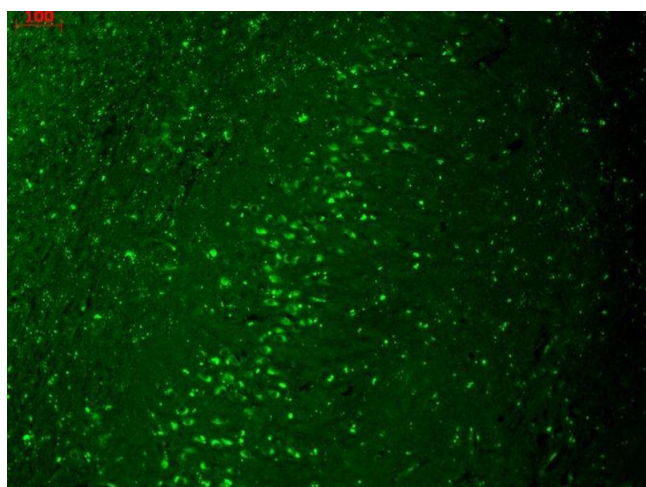
### Immunocytochemistry

**Image 1.** Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Kir2.1 Monoclonal Antibody, Clone S112 (ABIN2483530). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4 % PFA for 15 min. Primary Antibody: Mouse Anti-Kir2.1 Monoclonal Antibody (ABIN2483530) 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.



### 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 ABIN2483530.