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Kir2.2 Antibody
Kir2.2 Antibody, Clone S124B-38
Catalog # ASM10189

Specification

Kir2.2 Antibody - Product Information

Application	**IHC, WB**
Primary Accession	Q6U7SO
Other Accession	NP_446433
Host	**Mouse**
Isotype	**IgG1**
Reactivity	**Human, Mouse, Rat**
Clonality	**Monoclonal**

Description
Mouse Anti-Rat Kir2.2 Monoclonal IgG1

Target/Specificity
Detects ~45kDa. No cross-reactivity against Kir2.2 or Kir2.3.

Other Names
IRK2 Antibody, KCNJ12 Antibody, kcnj12x Antibody, KCNJN1 Antibody, Kir2.2v Antibody, potassium inwardly rectifying channel subfamily J member 12 Antibody

Immunogen
Fusion protein amino acids 362-427 of rat Kir2.2

Purification
Protein G Purified

Storage	**-20ºC**

Storage Buffer
PBS pH7.4, 50% glycerol, 0.09% sodium azide

Shipping Temperature	**Blue Ice or 4ºC**

Certificate of Analysis
1 µg/ml of SMC-311 was sufficient for detection of Kir2.2 in 30 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Cellular Localization
Membrane

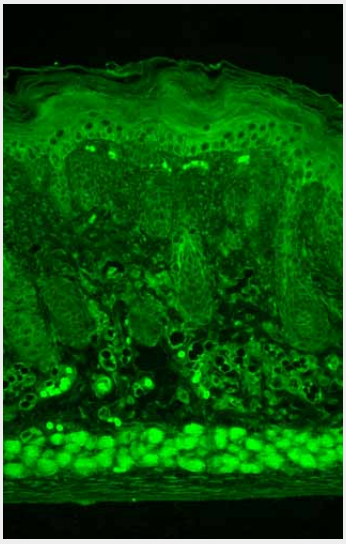
Kir2.2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

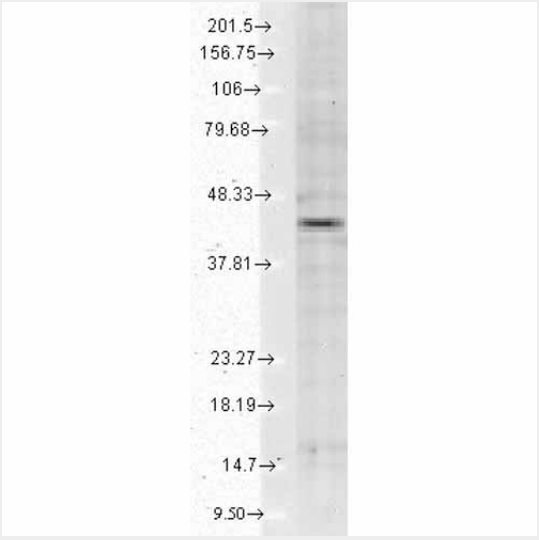
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Kir2.2 Antibody - Images



Immunohistochemistry analysis using Mouse Anti-Kir2.2 Potassium Channel Monoclonal Antibody, Clone S124B-38 (ASM10189). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Kir2.2 Potassium Channel Monoclonal Antibody (ASM10189) at 1:1000 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Western Blot analysis of Human Cell lysates showing detection of Kir2.2 Potassium Channel protein using Mouse Anti-Kir2.2 Potassium Channel Monoclonal Antibody, Clone S124B-38 (ASM10189). Load: 15 µg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Kir2.2 Potassium Channel Monoclonal Antibody (ASM10189) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.

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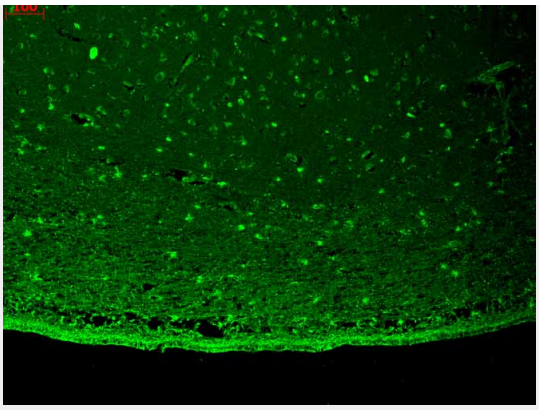

Immunohistochemistry analysis using Mouse Anti-Kir2.2 Potassium Channel Monoclonal Antibody, Clone S124B-38 (ASM10189). Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Kir2.2 Potassium Channel Monoclonal Antibody (ASM10189) at 1:1000 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.

Kir2.2 Antibody - 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).

Kir2.2 Antibody - References

1. Donaldson M.R., Yoon G., Fu Y.H., Ptacek L.J. (2004). Ann. Med. 36 Suppl 1: 92–7.