

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

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**Kir2.2 Antibody - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | WB, IHC, ICC, AM          |
| Primary Accession | <a href="#">Q6U7SQ</a>    |
| Other Accession   | <a href="#">NP_446433</a> |
| 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 **-20°C**

**Storage Buffer**

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

Shipping Temperature **Blue Ice or 4°C**

**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

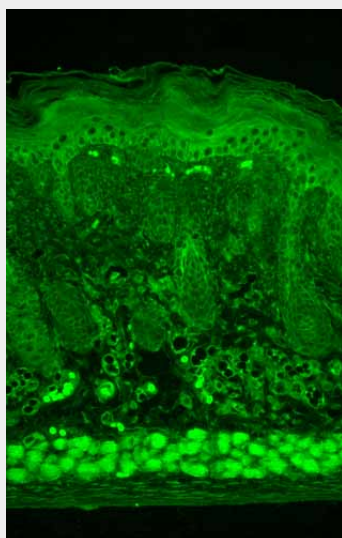
**Kir2.2 Antibody - Protocols**

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

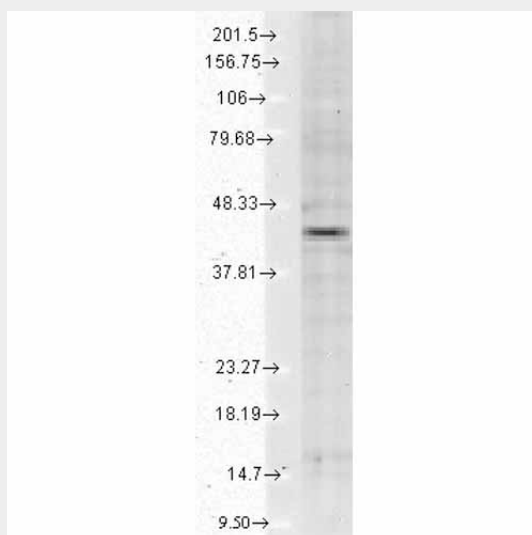
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

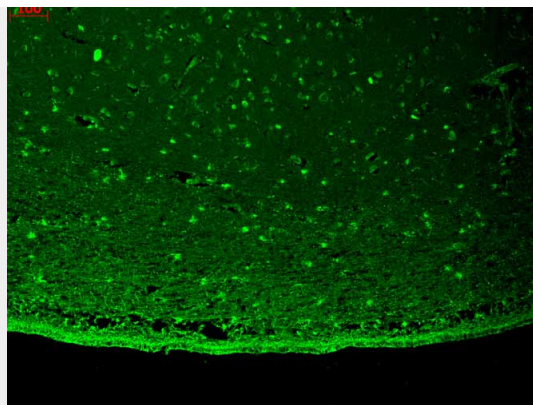
## Kir2.2 Antibody - Images



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.



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.