

**Slo2.1 Antibody**  
**Slo2.1 Antibody, Clone S11-33**  
**Catalog # ASM10200**

### Specification

#### Slo2.1 Antibody - Product Information

Application	WB, IHC, ICC, AM
Primary Accession	<a href="#">Q6UVM3</a>
Other Accession	<a href="#">NP_940905.2</a>
Host	Mouse
Isotype	IgG1
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
<b>Description</b>	Mouse Anti-Mouse Slo2.1 Monoclonal IgG1

**Target/Specificity**  
Detects ~140kDa.

**Other Names**  
KCNT2 Antibody, KCa4.2 Antibody, SLICK Antibody, Slo2.1 Antibody, sodium and chloride activated ATP sensitive potassium channel Slo2.1 Antibody

**Immunogen**  
Fusion protein amino acids 564-624 of mouse Slo2.1 (Slick)

**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-324 was sufficient for detection of Slo2.1 in 10 µg of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.

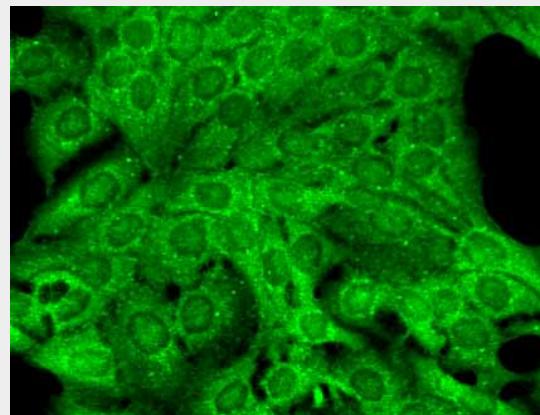
**Cellular Localization**  
Cell Membrane

#### Slo2.1 Antibody - Protocols

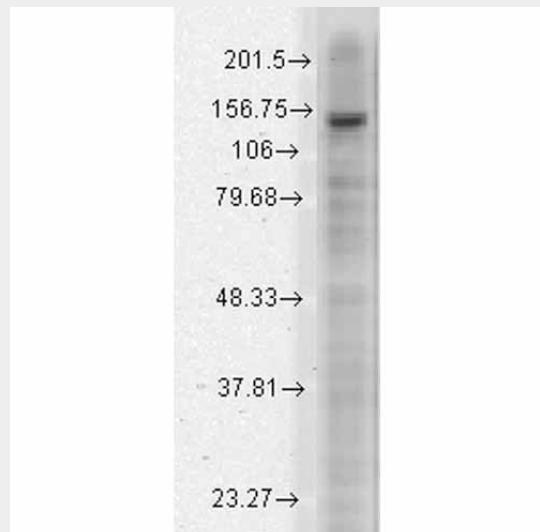
Provided below are standard protocols that you may find useful for product applications.

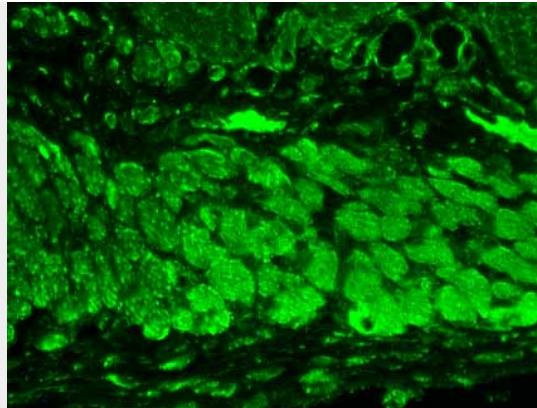
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

**Slo2.1 Antibody - Images**

Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Slo2.1 Potassium Channel Monoclonal Antibody, Clone S11-33 (ASM10200). Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20°C. Primary Antibody: Mouse Anti-Slo2.1 Potassium Channel Monoclonal Antibody (ASM10200) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: All cells positive (nuclei and cytoplasm).





Immunohistochemistry analysis using Mouse Anti-Slo2.1 Potassium Channel Monoclonal Antibody, Clone S11-33 (ASM10200). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Slo2.1 Potassium Channel Monoclonal Antibody (ASM10200) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Epidermis.

### **Slo2.1 Antibody - Background**

Slo2.1 is a novel member of the mammalian Slo potassium channel gene family (1). The slick channel is activated by intracellular  $\text{Na}^+$  and  $\text{Cl}^-$  and is inhibited by intracellular ATP. It is also widely expressed in the CNS and detected in the heart (2).

### **Slo2.1 Antibody - References**

1. Santi C.M., et al. (2006) J Neuroscience 26(19): 5059-5068.
2. Bhattacharjee A., et al. (2003) J Neuroscience 23(37): 11681-11691.