

**Slo2.2 Antibody**  
**Slo2.2 Antibody, Clone S3-26**  
**Catalog # ASM10199****Specification**

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**Slo2.2 Antibody - Product Information**

Application	WB, IHC, ICC, AM
Primary Accession	<a href="#">O9Z258</a>
Other Accession	<a href="#">NP_068625</a>
Host	Mouse
Isotype	IgG1
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal

**Description**

Mouse Anti-Rat Slo2.2 Monoclonal IgG1

**Target/Specificity**

Detects ~140kDa. Weak human detection.

**Other Names**

KCNT1 Antibody, potassium channel subfamily T member 1 Antibody, bA100C15.2 Antibody, SLACK Antibody, KCa4.1KIAA1422FLJ41282 Antibody

**Immunogen**

Fusion protein amino acids 1168-1237 of rat Slo2.2 (Slack)

**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-323 was sufficient for detection of Slo2.2 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

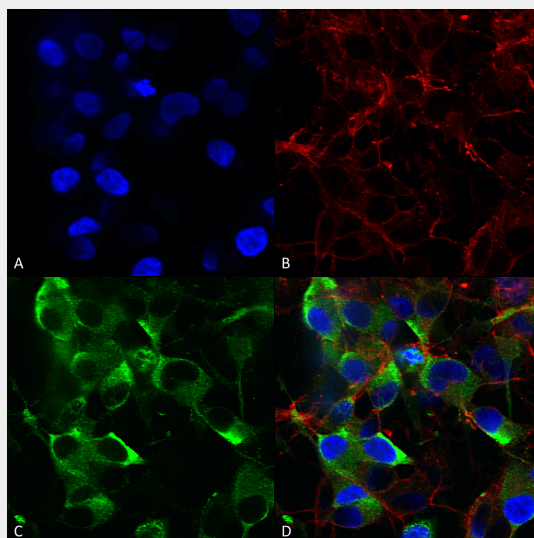
**Slo2.2 Antibody - Protocols**

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

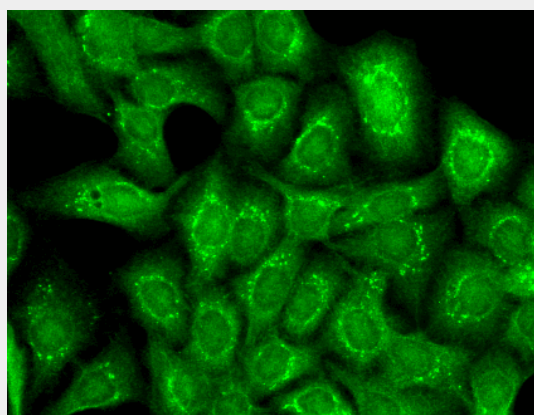
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

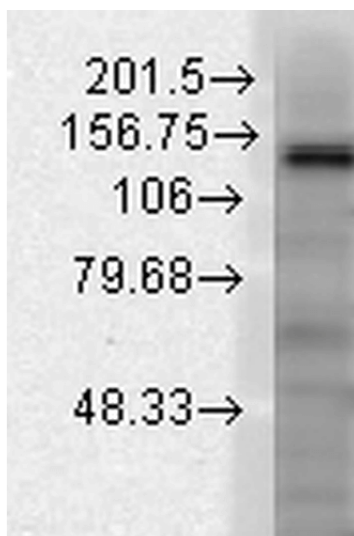
## Slo2.2 Antibody - Images



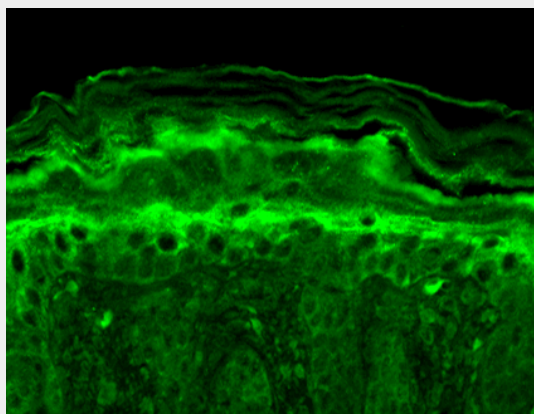
Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Slo2.2 Monoclonal Antibody, Clone N3/26 (ASM10199). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Slo2.2 Monoclonal Antibody (ASM10199) at 1:50 for overnight at 4°C with 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, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Slo2.2 Antibody (D) Composite.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Slo2.2 Potassium Channel Monoclonal Antibody, Clone N3/26 (ASM10199). Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20°C. Primary Antibody: Mouse Anti-Slo2.2 Potassium Channel Monoclonal Antibody (ASM10199) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Dotty staining around nucleus and some in cytoplasm.



Western Blot analysis of Rat brain membrane lysate showing detection of Slo2.2 Potassium Channel protein using Mouse Anti-Slo2.2 Potassium Channel Monoclonal Antibody, Clone N3/26 (ASM10199). Load: 15  $\mu$ g. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Slo2.2 Potassium Channel Monoclonal Antibody (ASM10199) 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-Slo2.2 Potassium Channel Monoclonal Antibody, Clone N3/26 (ASM10199). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Slo2.2 Potassium Channel Monoclonal Antibody (ASM10199) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Suprabasal epidermal staining. Hair follicles negative.

### **Slo2.2 Antibody - Background**

Slo2.2 is a novel member of the mammalian Slo potassium channel gene family. Slo2 channels may contribute to the resting potentials of cells that control their basal level of excitability (1). They also have sensors that couple channel activity to the intracellular concentrations of  $\text{Na}^+$  and  $\text{Cl}^-$  (2).

### **Slo2.2 Antibody - References**

1. Santi C.M., et al. (2006) J Neuroscience, 26(19): 5059-5068.
2. Yuan A., et al. (2003) Neuron 37: 765-773.