

Datasheet for ABIN2482920

anti-KCNT1 antibody (AA 1168-1237) (Atto 594)

4 Images

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Overview

Quantity:	100 µg
Target:	KCNT1
Binding Specificity:	AA 1168-1237
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KCNT1 antibody is conjugated to Atto 594
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Antibody Array (AA)

Product Details

Immunogen:	Fusion protein amino acids 1168-1237 of rat Slo2.2 (Slack)
Clone:	N3-26 (Formerly S3-26)
Isotype:	IgG1
Specificity:	Detects ~140 kDa. Weak human detection. Does not cross-react with KCNT2/Slo2.1/Slick.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

Target Details

Target:	KCNT1
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Target Details

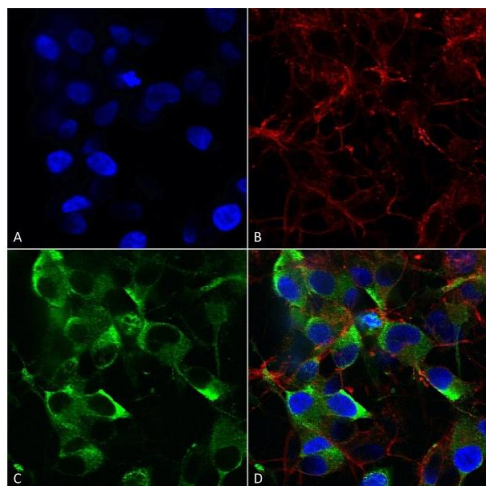
Alternative Name:	Slo2.2 (KCNT1 Products)
Background:	Slo2.2 is a novel member of the mammalian Slo potassium channel gene family. Slo2 channels may contribute to the resting potentials of cells that control their basal level of excitability (1). They also have sensors that couple channel activity to the intracellular concentrations of Na ⁺ and Cl ⁻ (2).
Gene ID:	60444
NCBI Accession:	NP_068625
UniProt:	Q9Z258

Application Details

Application Notes:	<ul style="list-style-type: none">• WB (1:1000)• IHC (1:1000)• ICC/IF (1:100)• optimal dilutions for assays should be determined by the user.
Comment:	1 µg/ml of ABIN2482920 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.
Restrictions:	For Research Use only

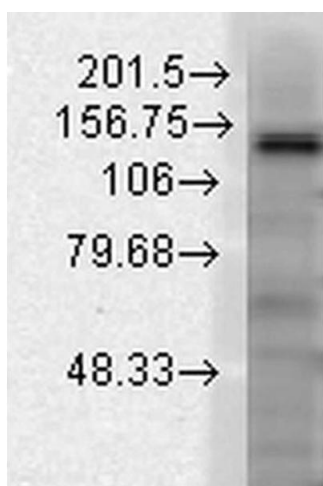
Handling

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



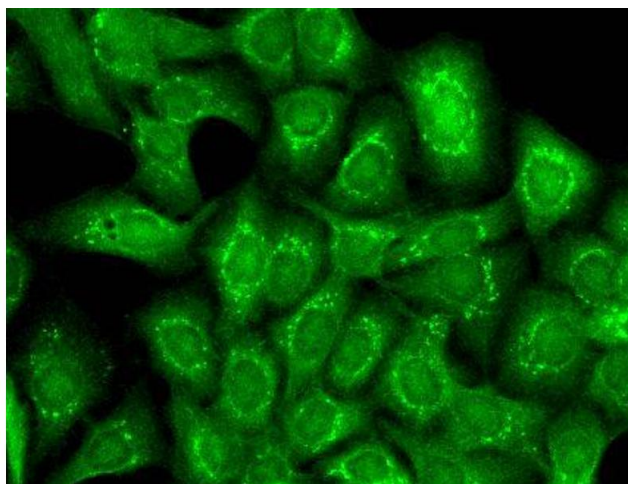
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Slo2.2 Monoclonal Antibody, Clone N3/26 (ABIN2482920). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4 % PFA for 15 min. Primary Antibody: Mouse Anti-Slo2.2 Monoclonal Antibody (ABIN2482920) 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) Slo2.2 Antibody (D) Composite.



Western Blotting

Image 2. 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 S3-26 . Load: 15 µg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Slo2.2 Potassium Channel Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



Immunofluorescence (fixed cells)

Image 3. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Slo2.2 Potassium Channel Monoclonal Antibody, Clone S3-26 . 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 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.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2482920.