

Datasheet for ABIN7043639

anti-SCN1A antibody (Intracellular) (Atto 594)



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1 Image

Overview

Quantity:	50 µL
Target:	SCN1A
Binding Specificity:	AA 465-481, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCN1A antibody is conjugated to Atto 594
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	<p>Immunogen: Synthetic peptide</p> <p>Immunogen Sequence: (C)TASEHSREPSAAGRLSD, corresponding to amino acid residues 465-481 of rat NaV1.1</p>
Isotype:	IgG
Characteristics:	<p>Anti-SCN1A (NaV1.1) Antibody (ABIN7043638, ABIN7045223 and ABIN7045224)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunoprecipitation, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize NaV1.1 from rat, human, and mouse samples.</p> <p>Anti-SCN1A (NaV1.1)-ATTO Fluor-594 Antibody (#ABIN7043639) is directly labeled with an ATTO-594 fluorescent dye. ATTO dyes are characterized by strong absorption (high extinction coefficient), high fluorescence quantum yield, and high photo-stability. The ATTO-594 fluorescent label belongs to the class of Rhodamine dyes and can be used with fluorescent</p>

Product Details

equipment typically optimized to detect Texas Red and Alexa-594. Anti-SCN1A (NaV1.1)-ATTO Fluor-594 Antibody is specially suited to experiments requiring simultaneous labeling of different markers.

Purification: Affinity purified on immobilized antigen.

Target Details

Target:	SCN1A
Alternative Name:	SCN1A (NaV1.1) (SCN1A Products)
Background:	Alternative names: SCN1A (NaV1.1), Brain type I sodium channel, BI, Sodium channel protein type 1 subunit alpha
Gene ID:	81574
NCBI Accession:	NM_006920
UniProt:	P04774

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

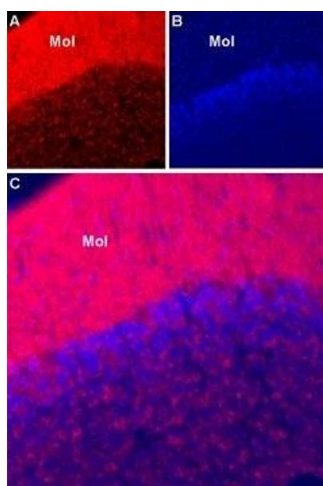
Handling

Format:	Lyophilized
Reconstitution:	50 µL double distilled water (DDW).
Concentration:	1 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
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:	RT, 4 °C, -20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.

Handling

Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



Immunohistochemistry

Image 1. Expression of NaV1.1 in rat cerebellum - Immunohistochemical staining of rat cerebellum using Anti-SCN1A (NaV1.1)-ATTO Fluor-594 Antibody (ABIN7043639). A. Staining of NaV1.1 (red) is mainly in the molecular layer (Mol). B. DAPI is used as the counterstain (blue). C. Merge images of A and B.