Datasheet for ABIN1413209

anti-SCN7A antibody (AA 1561-1582) (Cy5.5)

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Overview

Quantity:	100 µL
Target:	SCN7A
Binding Specificity:	AA 1561-1582
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCN7A antibody is conjugated to Cy5.5
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SCN7A
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	SCN7A
Alternative Name:	SCN7A (SCN7A Products)

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Target Details

Background:	Synonyms: Putative voltage gated sodium channel subunit alpha Nax, SCN 6A, SCN 7A, SCN6A, Sodium channel protein cardiac and skeletal muscle subunit alpha, Sodium channel protein type 7 subunit alpha, Sodium channel protein type VII subunit alpha, Sodium channel voltage gated type VI alpha polypeptide, Sodium channel voltage gated type VII alpha, Sodium channel voltage gated type VII alpha polypeptide, Voltage dependent sodium channel alpha subunit, SCN7A_HUMAN. Background: Voltage-gated sodium channels are selective ion channels that regulate the permeability of sodium ions in excitable cells. During the propagation of an action potential, sodium channels allow an influx of sodium ions, which rapidly depolarize the cell. The three glycoproteins that comprise the voltage-gated sodium channel proteins include a pore-forming Beta subunit, a noncovalently associated Beta 1 subunit and a disulfide-linked Beta 2 subunit. Na+ CP type VII Alpha (Sodium channel protein type 7 subunit alpha), also known as SCN6A, Sodium channel protein cardiac and skeletal muscle subunit alpha and putative voltage-gated sodium channel subunit alpha Nax, is a 1682 amino acid multi-pass membrane protein that belongs to the sodium channel family. Primarily expressed in uterus and heart, Na+ CP type VII Alpha may function in the regulation of salt intake behavior and central sensing of body-fluid sodium levels.
Gene ID:	6332
UniProt:	Q01118

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

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Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

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