Datasheet for ABIN7296912

anti-SCN1A antibody (Center)

2 Images

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Overview

Quantity:	100 µL
Target:	SCN1A
Binding Specificity:	Center
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCN1A antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Nav1.1.
Specificity:	Recognizes endogenous levels of Nav1.1 protein.
Characteristics:	Rabbit polyclonal antibody to Nav1.1
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	SCN1A
Alternative Name:	Nav1.1 (SCN1A Products)
Background:	SCN1A, NAC1, SCN1, Sodium channel protein type 1 subunit alpha, Sodium channel protein

Target Details

	brain I subunit alpha, Sodium channel protein type I subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.1, SCN2A, NAC2, SCN2A1, SCN2A2, Sodium channel protein type 2 subunit alpha, HBSC II, Sodium channel protein brain II subunit alpha, Sodium channel protein type II subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.2, SCN3A, KIAA1356, NAC3, Sodium channel protein type 3 subunit alpha, Sodium channel protein brain III subunit alpha, Sodium channel protein type III subunit alpha, Voltage-gated sodium channel subtype III, Voltage-gated sodium channel subunit alpha Nav1.3, SCN4A, Sodium channel protein type 4 subunit alpha, SkM1, Sodium channel protein skeletal muscle subunit alpha, Sodium channel protein type IV subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.4, SCN5A, Sodium channel protein type 5 subunit alpha, HH1, Sodium channel protein cardiac muscle subunit alpha, Sodium channel protein type V subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.5, SCN8A, MED, Sodium channel protein type 8 subunit alpha, Sodium channel protein type VIII subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.6, SCN9A, NENA, Sodium channel protein type 9 subunit alpha, Neuroendocrine sodium channel, hNE-Na, Peripheral sodium channel 1, PN1, Sodium channel protein type IX subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.7, SCN10A, Sodium channel protein type 10 subunit alpha, Peripheral nerve sodium channel 3, PN3, hPN3, Sodium channel protein type X subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.8, SCN11A, SCN12A, SNS2, Sodium channel protein type 11 subunit alpha, Peripheral nerve sodium channel 5, PN5, Sensory neuron sodium channel 2, Sodium channel protein type XI subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.9, hNaN
Gene ID:	6323, 6326, 6328
UniProt:	P35498, Q99250, Q9NY46, P35499, Q14524, Q9UQD0, Q15858, Q9Y5Y9, Q9UI33, Q9ER60, P04774, P04775, P08104, P15390

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200)
Restrictions:	For Research Use only

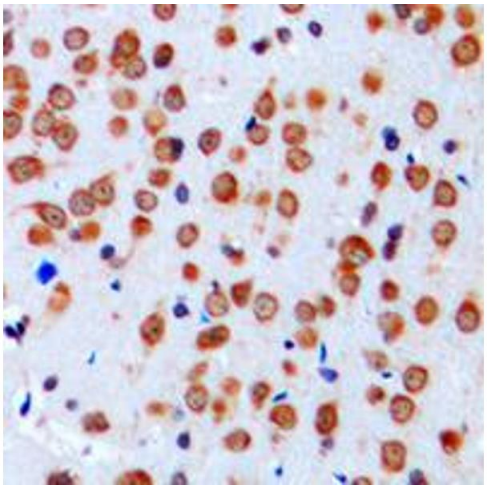
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.

Handling

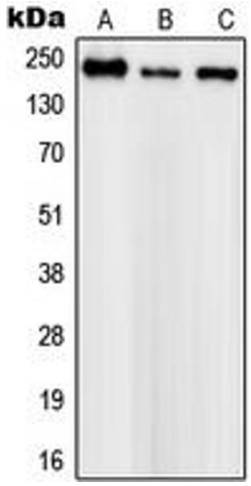
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of Nav1.1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blotting

Image 2. Western blot analysis of Nav1.1 expression in SHSY5Y (A), mouse brain (B), PC12 (C) whole cell lysates.