ARG67312
anti-Nav1.6 / SCN8A antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Nav1.6 / SCN8A
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Nav1.6 / SCN8A
Species	Human
Immunogen	KLH-conjugated synthetic peptide within the center region of Human Nav1.6 / SCN8A.
Conjugation	Un-conjugated
Alternate Names	Nav1.6; SCN8A; Sodium Voltage-Gated Channel Alpha Subunit ; MED; Sodium channel protein type 8 subunit alpha; Sodium channel protein type VIII subunit alpha; Voltage-gated sodium channel subunit alpha Nav1.6

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50-1:200
WB	1:500-1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

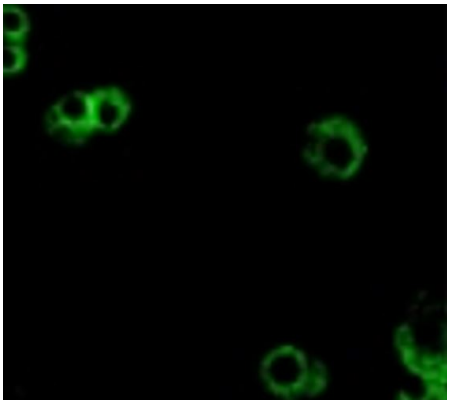
Properties

Form	Liquid
Purification	Affinity purification with immunogen
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

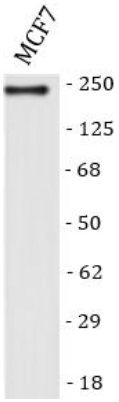
Gene Symbol	SCN8A
Gene Full Name	Sodium Voltage-Gated Channel Alpha Subunit
Background	This gene encodes a member of the sodium channel alpha subunit gene family. The encoded protein forms the ion pore region of the voltage-gated sodium channel. This protein is essential for the rapid membrane depolarization that occurs during the formation of the action potential in excitable neurons. Mutations in this gene are associated with cognitive disability, pancerebellar atrophy and ataxia. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010]
Function	Pore-forming subunit of a voltage-gated sodium channel complex assuming opened or closed conformations in response to the voltage difference across membranes and through which sodium ions selectively pass along their electrochemical gradient. [UniProt]
Calculated Mw	225 kDa
PTM	Disulfide bond; Glycoprotein; Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Cell junction; Cell membrane; Cell projection; Cytoplasmic vesicle; Membrane. [UniProt]

Images



ARG67312 anti-Nav1.6 / SCN8A antibody ICC/IF image

Immunofluorescence: Hela stained with ARG67312 anti-Nav1.6 / SCN8A antibody.

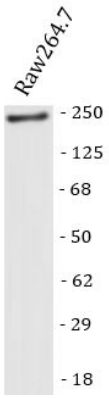


ARG67312 anti-Nav1.6 / SCN8A antibody WB image

Western blot: MCF7 stained with ARG67312 anti-Nav1.6 / SCN8A antibody.

ARG67312 anti-Nav1.6 / SCN8A antibody WB image

Western blot: H9C2 stained with ARG67312 anti-Nav1.6 / SCN8A antibody.



ARG67312 anti-Nav1.6 / SCN8A antibody WB image

Western blot: Raw264.7 stained with ARG67312 anti-Nav1.6 / SCN8A antibody.