

Anticorps Monoclonal anti-SCN5A

Numéro de catalogue: 68273-1-Ig

Informations de base

Numéro de catalogue:	68273-1-Ig	Numéro d'acquisition GenBank:	BC140813	Méthode de purification:	Purification par protéine G
Taille:	150ul, Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI):	6331	CloneNo.:	1C2B3
Hôte:	Mouse	Nom complet:	sodium channel, voltage-gated, type V, alpha subunit	Dilutions recommandées:	WB 1:2000-1:10000 IHC 1:50-1:500
Isotype:	IgG1	MW calculé	2016 aa, 227 kDa		
Immunogen Catalog Number:	AG19275	MW observés:	227 kDa		

Applications

Applications testées:

FC, IHC, WB, ELISA

Spécificité de l'espèce:

Humain, Lapin, rat

Contrôles positifs:

WB : tissu cardiaque de rat, tissu cardiaque de lapin

IHC : tissu de muscle squelettique de souris,

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Informations générales

Voltage-gated sodium channels are responsible for initiation and propagation of action potentials in the membranes of neurons and most electrically excitable cells (PMID: 10798388). These channels are composed of a large alpha subunit that forms the ion conduction pore and auxiliary beta subunits (PMID: 11486343). The alpha subunits form a gene family with at least 10 members. Nav1.5, encoded by the SCN5A gene in humans, is a pore forming alpha subunit of voltage-gated sodium channels. Nav1.5 is the principal Na⁺ channel isoform expressed in cardiomyocytes. Mutations in SCN5A gene have been linked to many cardiac electrical disorders, including the congenital and acquired long QT syndrome, Brugada syndrome, conduction slowing, sick sinus syndrome, atrial fibrillation, and dilated cardiomyopathy (PMID: 23123192).

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20°C

*** Les 20ul contiennent 0,1% de BSA.

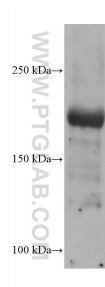
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

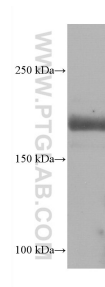
E: proteintech@ptglab.com
W: ptglab.com

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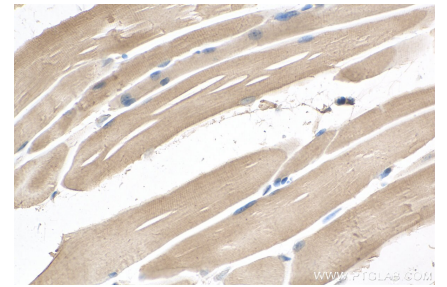
Données de validation sélectionnées



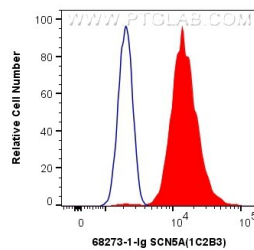
rabbit heart tissue were subjected to SDS PAGE followed by western blot with 68273-1-Ig (SCN5A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



rat heart tissue were subjected to SDS PAGE followed by western blot with 68273-1-Ig (SCN5A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 68273-1-Ig (SCN5A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human SCN5A (68273-1-Ig, Clone:1C2B3) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).