

Allgemeine Informationen

Katalog-Nr.: 68273-1-Ig	GenBank-Zugangsnummer: BC140813	Reinigungsmethode: Protein-G-Reinigung
Größe: 150ul, Konzentration: 1000 µg/ml von 6331 Nanodrop;	GeneID (NCBI): Vollständiger Name: sodium channel, voltage-gated, type V, alpha subunit	CloneNo.: 1C2B3
Wirt: Maus	Berechnete Masse: 2016 aa, 227 kDa	Empfohlene Verdünnungen: WB 1:2000-1:10000 IHC 1:50-1:500
Isotyp: IgG1	Beobachtete Masse: 227 kDa	
Immunogen Katalognummer: AG19275		

Anwendungen

Geprüfte Anwendungen: IHC, WB, ELISA	Positivkontrollen: WB : Rattenherzgewebe, Kaninchenherzgewebe IHC : Maus-Skelettmuskelgewebe,
Getestete Reaktivität: Human, Kaninchen, Ratte	
Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

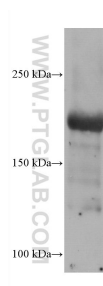
Voltage-gated sodium channels are responsible for initiation and propagation of action potentials in the membranes of neurons and most electrically excitable cells (PMID: 10798388). These channels are composed of a large alpha subunit that forms the ion conduction pore and auxiliary beta subunits (PMID: 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).

Lagerung

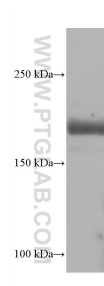
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

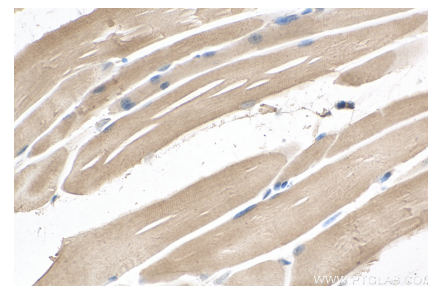
Ausgewählte Validierungsdaten



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).