

For Research Use Only

SCN7A-Specific Polyclonal antibody

Catalog Number: 20256-1-AP



Basic Information

Catalog Number:

20256-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002976

GeneID (NCBI):

6332

UNIPROT ID:

Q01118

Full Name:

sodium channel, voltage-gated, type VII, alpha

Calculated MW:

193 kDa

Observed MW:

193 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse skeletal muscle tissue, mouse heart tissue

IHC : mouse heart tissue,

Background Information

SCN7A, also named as SCN6A, belongs to the sodium channel family. SCN7A mediates the voltage-dependent sodium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, SCN7A forms a sodium-selective channel through which Na⁺ ions may pass in accordance with their electrochemical gradient. This antibody is specific to SCN7A.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

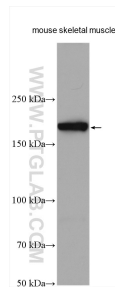
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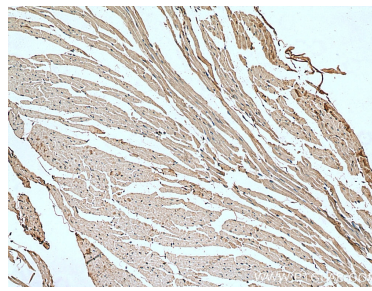
E: proteintech@ptglab.com
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Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 20256-1-AP (SCN7A-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 20256-1-AP (SCN7A-Specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).