

For Research Use Only

SCN7A-Specific Polyclonal antibody

Catalog Number: 20256-1-AP



Basic Information

Catalog Number: 20256-1-AP	GenBank Accession Number: NM_002976	Purification Method: Antigen affinity purification
Size: 800 µg/ml	GeneID (NCBI): 6332	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q01118	
Isotype: IgG	Full Name: sodium channel, voltage-gated, type VII, alpha	
	Calculated MW: 193 kDa	
	Observed MW: 193 kDa	

Applications

Tested Applications:

IHC, WB, 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

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

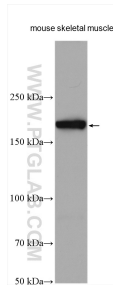
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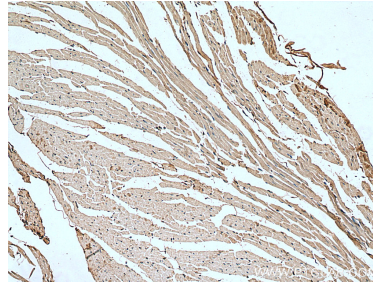
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Selected Validation Data



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).