

For Research Use Only

SCN4A Polyclonal antibody

Catalog Number: 28315-1-AP



Basic Information

Catalog Number: 28315-1-AP	GenBank Accession Number: NM_000334	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1200 ug/ml by Nanodrop and 667 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6329	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P35499	
Isotype: IgG	Full Name: sodium channel, voltage-gated, type IV, alpha subunit	
Immunogen Catalog Number: AG27536	Calculated MW: 208 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse skeletal muscle tissue,
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	

Background Information

Sodium channel protein type 4 subunit alpha (SCN4A, also known as Nav1.4) is the pore-forming subunit of the primary sodium channel present in skeletal muscles (PMID: 16193245). Nav1.4 related channelopathies that affect skeletal muscle excitability are dominant diseases classified in two opposite groups as defined by the prevalent clinical symptoms: muscle stiffness and hypertonia (myotonia) episodes [non dystrophic myotonias (NDM)], and muscle weakness resulting in paralysis episodes (periodic paralyses; PP) (PMID: 20237798; 26285000).

Storage

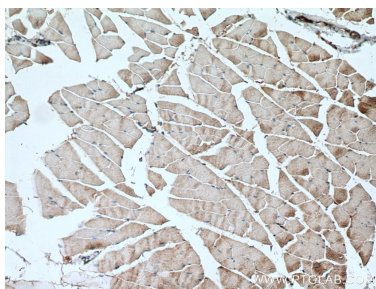
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

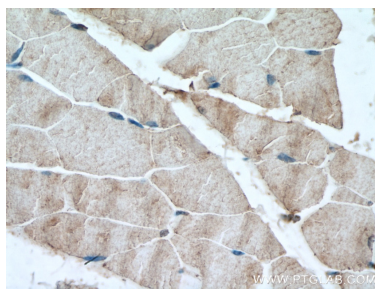
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 28315-1-AP (SCN4A antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 28315-1-AP (SCN4A antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).