

For Research Use Only

SCN4A Recombinant antibody

Catalog Number: 85698-1-RR



Basic Information

Catalog Number: 85698-1-RR	GenBank Accession Number: NM_000334	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6329	CloneNo.: 243036A8
Source: Rabbit	UNIPROT ID: P35499	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:400-1:1600
Isotype: IgG	Full Name: sodium channel, voltage-gated, type IV, alpha subunit	
	Calculated MW: 208 kDa	
	Observed MW: 208 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : K-562 cells, MCF-7 cells, COLO 205 cells
	IHC : mouse skeletal muscle tissue,

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

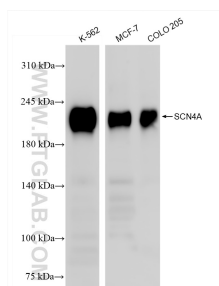
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1%BSA**

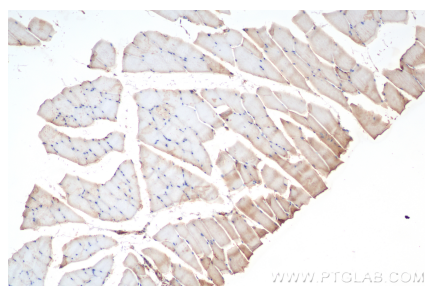
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85698-1-RR (SCN4A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 85698-1-RR (SCN4A antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).