

For Research Use Only

# SCN4A Recombinant antibody, PBS Only

Catalog Number: 85698-1-PBS



## Basic Information

Catalog Number:

85698-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000334

GeneID (NCBI):

6329

UNIPROT ID:

P35499

Full Name:

sodium channel, voltage-gated, type IV, alpha subunit

Calculated MW:

208 kDa

Observed MW:

208 kDa

Purification Method:

Protein A purification

CloneNo.:

243036A8

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

## 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

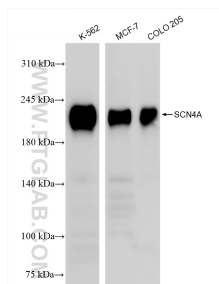
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

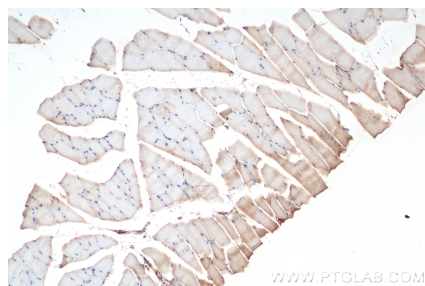
W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 85698-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 85698-1-PBS in a different storage buffer formulation.