For Research Use Only

SCN4A Recombinant antibody, PBS Only

Catalog Number:85698-1-PBS

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Basic Information

Catalog Number:
85698-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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.
Storage Buffer:
PBS only, pH7.3

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
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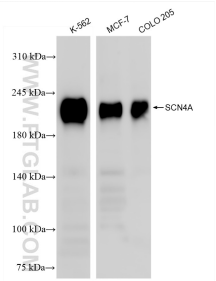
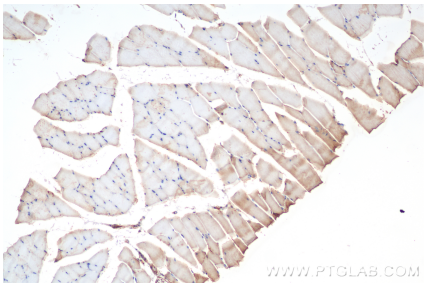
Selected Validation Data



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.