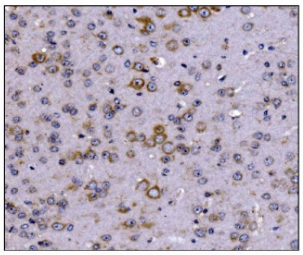
SCN1B Antibody / Sodium channel subunit beta-1 (RQ6514)

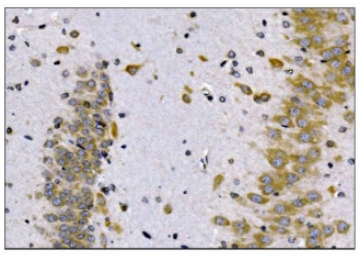
Catalog No.	Formulation	Size
RQ6514	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

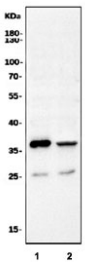
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q07699
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This SCN1B antibody is available for research use only.



IHC staining of FFPE mouse brain tissue with SCN1B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with SCN1B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat hippocampus and 2) mouse hippocampus tissue lysate with SCN1B antibody. Predicted molecular weight: 24-30 kDa but commonly observed at 30-40 kDa.

Description

Voltage-gated sodium (Na+) channels are essential for the generation and propagation of action potentials in striated muscle and neuronal tissues. The complete coding region of Sodium channel, voltage-gated, beta 1 (SCN1B) is found in approximately 9.0 kb of genomic DNA and consists of five exons (72 to 749 bp) and four introns (90 bp to 5.5 kb). It is mapped to 19q13.1 and can act as a candidate gene for hereditary disorders affecting membrane excitability. Sodium channel beta1 subunits play important roles in the regulation of sodium channel density and localization and are involved in axo-glial communication at nodes of Ranvier.

Application Notes

Optimal dilution of the SCN1B antibody should be determined by the researcher.

Immunogen

An E. coli-derived human protein (amino acids C21-E218) was used as the immunogen for the SCN1B antibody.

Storage

After reconstitution, the SCN1B antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com