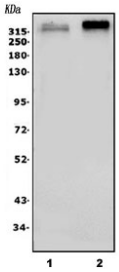
Scn2a Antibody (RQ6209)

Catalog No.	Formulation	Size
RQ6209	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.0125% sodium azide
UniProt	B1AWN6
Applications	Western Blot : 1-2ug/ml
Limitations	This Scn2a antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain lysate with Scn2a antibody. Predicted molecular weight ~320 kDa.

Description

Nav-alpha 1.2, also known as the sodium channel, voltage-gated, type II, alpha subunit is a protein that in humans is encoded by the SCN2A gene. Voltage-gated sodium channels are transmembrane glycoprotein complexes composed of a large alpha subunit with four repeat domains, each of which is composed of six membrane-spanning segments, and one or more regulatory beta subunits. Voltage-gated sodium channels function in the generation and propagation of action potentials in neurons and muscle. This gene encodes one member of the sodium channel alpha subunit gene family. Allelic variants of this gene are associated with seizure disorders and autism spectrum disorder. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the Scn2a antibody should be determined by the researcher.

Immunogen

Amino acids RTMNMFNWDEYIEDKSH from the mouse protein were used as the immunogen for the Scn2a antibody.

Storage

After reconstitution, the Scn2a antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.