Nav1.6 antibody

Cat. No. GTX54842

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-Fr
Reactivity	Human, Mouse, Rat

References (1)
Package
50 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
IHC-Fr	Assay dependent

Not tested in other applications.

Calculated MW 225 kDa. (Note)

Properties

Form	Liquid
Buffer	PBS, 1% BSA
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.8 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Peptide CIANHTGVDIHRNGDFQKNG, corresponding to amino acid residues 1042-1061 (Intracellular loop between domains II and III) of rat NaV1.6 (Accession : O88420).
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

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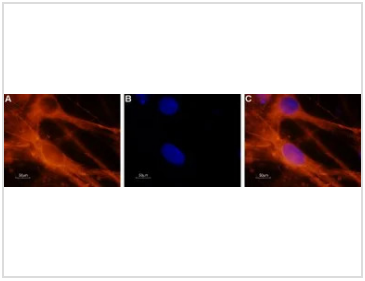
GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

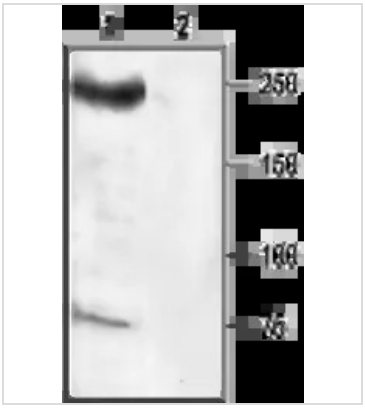
GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com

DATA IMAGES



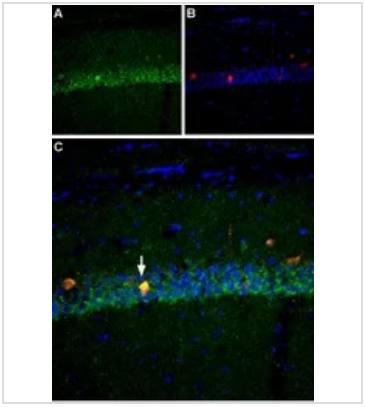
GTX54842 ICC/IF Image

ICC/IF analysis of PFA-fixed rat DRG primary cells using GTX54842 Nav1.6 antibody.
Panel A : Primary antibody
Panel B : DNA dye Hoechst 33342
Panel C : Merged images of panels A and B
Dilution : 1:200



GTX54842 WB Image

WB analysis of rat brain membrane lysates using GTX54842 Nav1.6 antibody preincubated with or without immunogen peptide.
Dilution : 1:200



GTX54842 IHC-Fr Image

IHC-Fr analysis of mouse hippocampus tissue using GTX54842 Nav1.6 antibody. DAPI is used as the counterstain.
Panel A : NaV1.6 (green) is robustly expressed in the CA1 pyramidal layer (white arrows).
Panel B : Staining with mouse anti-parvalbumin (red), a marker of interneurons.
Panel C : Merged image of panels A and B reveals that NaV1.6 appears in some interneurons (arrow) but is not restricted to interneurons.

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