

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 4°C. For long-term storage, aliquot and store at -20°C 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

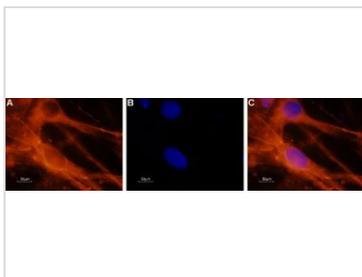
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DATA IMAGES

**GTX54842 ICC/IF Image**

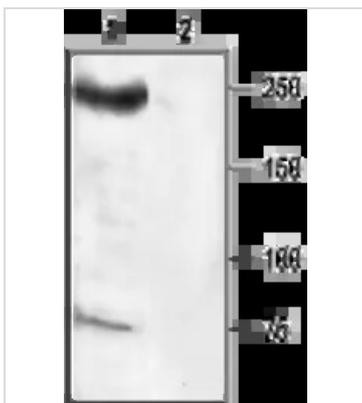
ICC/IF analysis of PFA-fixed rat DRG primary cells using GTX54842 Nav1.6 antibody.

Panel A : Primary antibody

Panel B : DNA dye Hoechst 33342

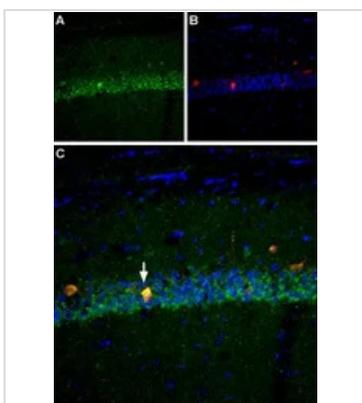
Panel C : Merged images of panels A and B

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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