

# Nav1.6 antibody

**Cat. No. GTX54842**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-Fr
<b>Reactivity</b>	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

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA
<b>Preservative</b>	0.05% Sodium azide
<b>Storage</b>	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.
<b>Concentration</b>	0.8 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Peptide CIANHTGVDIHRNGDFQKNG, corresponding to amino acid residues 1042-1061 (Intracellular loop between domains II and III) of rat Nav1.6 (Accession : O88420).
<b>Purification</b>	Purified by antigen-affinity chromatography
<b>Conjugation</b>	Unconjugated

### Note

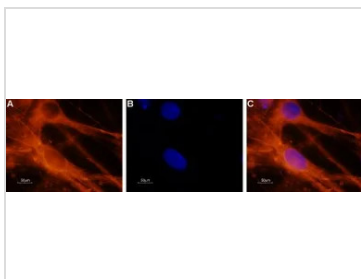
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## DATA IMAGES



### GTX54842 ICC/IF Image

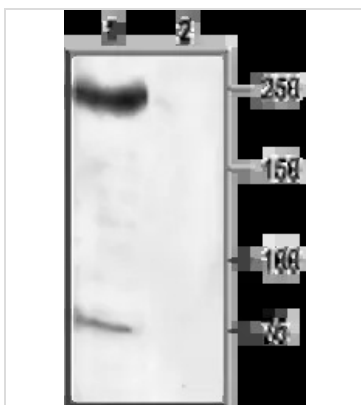
ICC/IF analysis of PFA-fixed rat DRG primary cells using GTX54842 Nav1.6 antibody.

Panel A : Primary antibody

Panel B : DNA dye Hoechst 33342

Panel C : Merged images of panels A and B

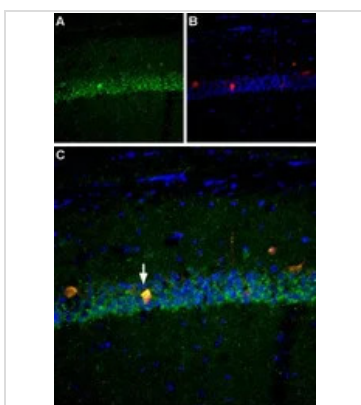
Dilution : 1:200



### 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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