Nav1.6 antibody

Cat. No. GTX54842

| Host | Rabbit |
|--------------|--------------------|
| Clonality | Polyclonal |
| lsotype | lgG |
| 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. | |

app

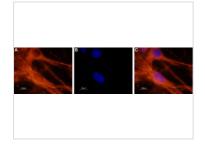
Calculated MW 225 kDa. (<u>Note</u>)

| 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 | 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. |



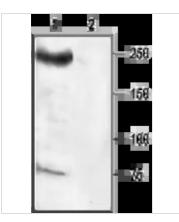
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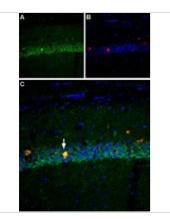
DATA IMAGES



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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