Pan NaV antibody

Cat. No. GTX16935

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-Fr, IP
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
IP	Assay dependent

Not tested in other applications.

Calculated MW	229 kDa. (Note)
Product Note	This antibody is directed against an intracellular epitope of the rat NaV1.1 channel that is identical in all isoforms of NaV1 in all vertebrates, and highly homologous in molluscan and insect voltage-gated Na+ channels.

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	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Peptide TEEQKKYYNAMKKLGSKK(C), corresponding to amino acid residues 1501-1518 (Intracellular loop between domains III and IV) of rat NaV1.1 (Accession : P04774).
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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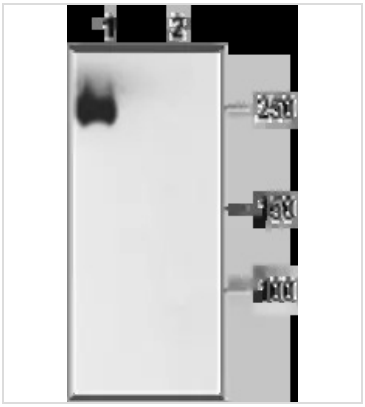
Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

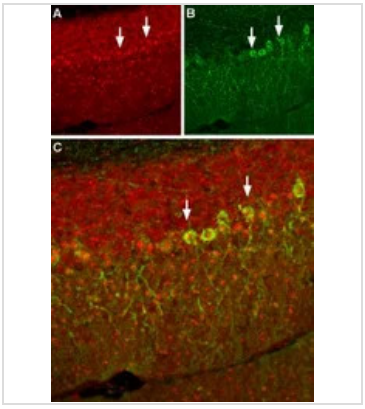
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX16935 WB Image

WB analysis of rat brain membrane lysate using GTX16935 Pan NaV Antibody preincubated with or without immunogen peptide.
Dilution : 1:200



GTX16935 IHC-Fr Image

IHC-Fr analysis of rat cerebellum tissue using GTX16935 Pan NaV Antibody.
Panel A : NaV channels (red) appear in Purkinje cell bodies (vertical arrows) and in cells of the molecular layer (Mol), (horizontal arrows).
Panel B : Staining of Parvalbumin (green) in the same brain section.
Panel C : Merge of NaV channels and Parvalbumin demonstrates the location of NaV channels to the cell body of Purkinje neurons.

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