

Anti-Nav1.8 Na⁺ Channel Antibody

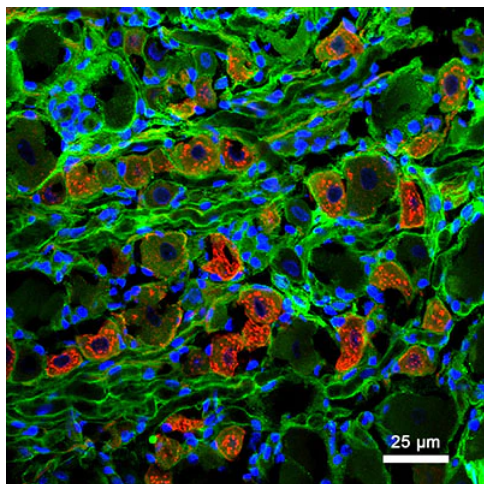


Product Details

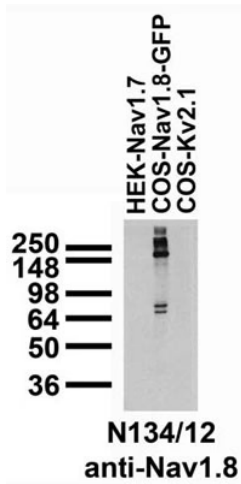
Available Variants	100 µL (SKU:75-166) 20 µL (SKU:75-166-020)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	N134/12
Gene Name	Scn10a Sns
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.93
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:1000 IHC: 1:250 ICC: 1:250
Species Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein amino acids 1724-1956 (cytoplasmic C-terminus) of rat Nav1.8 (accession number Q62968) produced recombinantly in E. Coli
Specificity	Does not react with Nav1.7
Molecular Weight	220 kDa

Quality Control	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.
Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.
Antibody Registry ID	AB_2183861
UniProt ID	Q62968
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

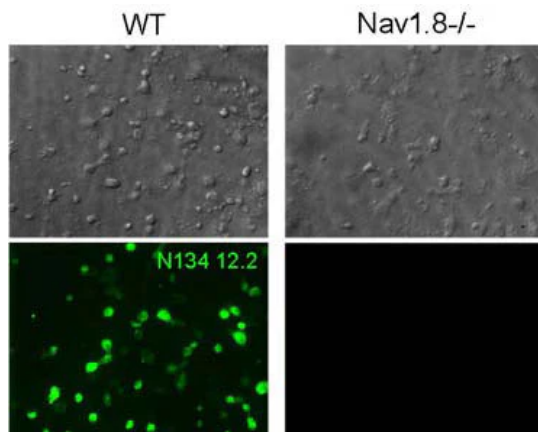
Product Images



Immunostaining of a $7\ \mu\text{m}$ thick DRG neuron section from a 3 month old rat labeling NaV1.8 (green, 1:2000, Cat. 75-166), IB4 (red), and nuclei is stained with DAPI (blue). The image is kindly provided by Cristian Acosta, Universidad Nacional de Cuyo, Mendoza, Argentina.



Stable/transfected cell immunoblot: extracts of HEK cells stably expressing Nav1.7 and COS cells transiently transfected with GFP-tagged Nav1.8 or untagged Kv2.1 plasmids and probed with N134/12 TC supe.



Immunofluorescence staining of cultured dorsal root ganglia neurons from Nav1.8 WT and KO mice with N134/12 TC supe. Image courtesy of Dr. Joel Black, Dr. Sulayman Dib-Hajj and Dr. Steve Waxman, Yale University.

Product Page URL: www.antibodiesinc.com/products/anti-nav1-8-na-channel-antibody-n134-12-75-166



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