

Anti-Nav1.7 Na⁺ Channel Antibody

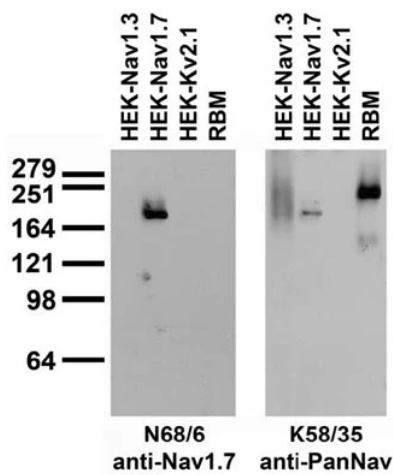


Product Details

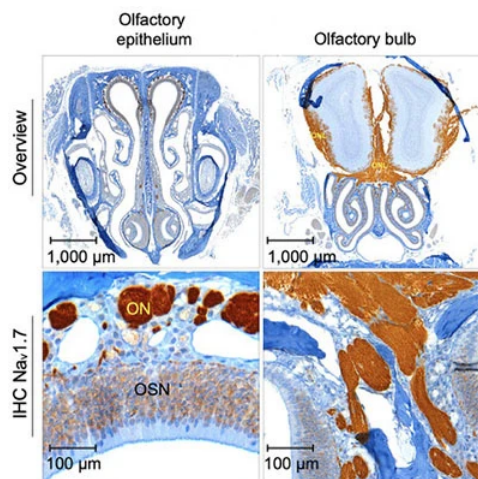
Available Variants	100 µL (SKU:75-103) 20 µL (SKU:75-103-020)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N68/6
Gene Name	SCN9A NENA
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.31
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, IP, WB
Dilution Ranges	WB: 1:500 IHC: 1:250 ICC: 1:250
Species Reactivity	Human, Mouse, Non-Human Primate, Rat
Immunogen	Fusion protein amino acids 1751-1946 (cytoplasmic C-terminus) of human Nav1.7 (accession number Q15858) produced recombinantly in E. Coli
Specificity	No cross-reactivity against other Nav channels
Molecular Weight	230 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_2184355
UniProt ID	Q15858
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.

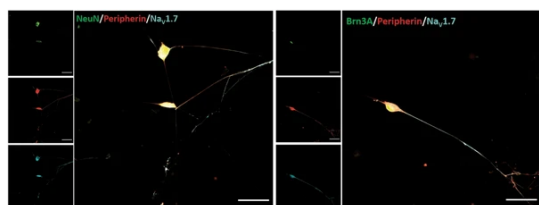
Product Images



Adult rat brain membrane (RBM) and transfected cell immunoblot: extracts of RBM and HEK-293 cells stably expressing Nav1.3, and Nav1.7 and transiently expressing Kv2.1 probed with N68/6 (left) or K58/35 (right) TC supe.



Immunostaining of olfactory bulb and olfactory epithelium of normosmic mice. The 4-um section PPFE tissue was deparaffinized with EZPrep buffer. For IHC, immunostaining was performed using Anti-NaV1.7 (Cat. 75-103, DAB-brown, 0.5 ug/ml) and counterstained with hematoxylin (blue). Image from publication, CC-BY-4.0. [PMID: 38960711](#).



Induced pluripotent stem cell-derived sensory neurons (iPSC-SNs) stained positively for peripherin (a marker of peripheral neurons), Brn3a (a marker of sensory neurons⁴⁸), NeuN (a marker of neuronal nuclei), and NaV1.7 (Cat. 75-103, 1:250). Image from publication CC-BY-4.0. [PMID:34930944](#)

Product Page URL: www.antibodiesinc.com/products/anti-nav1-7-na-channel-antibody-n68-6-75-103



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