

# Anti-Nav1.1 Na<sup>+</sup> Channel Antibody

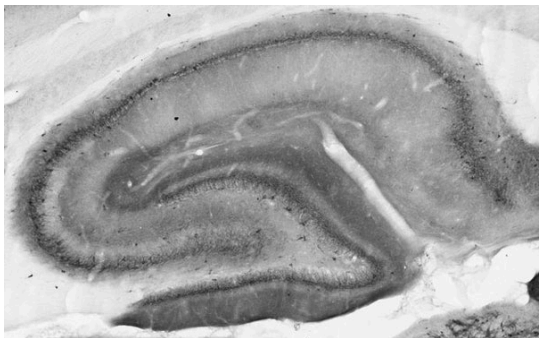


## Product Details

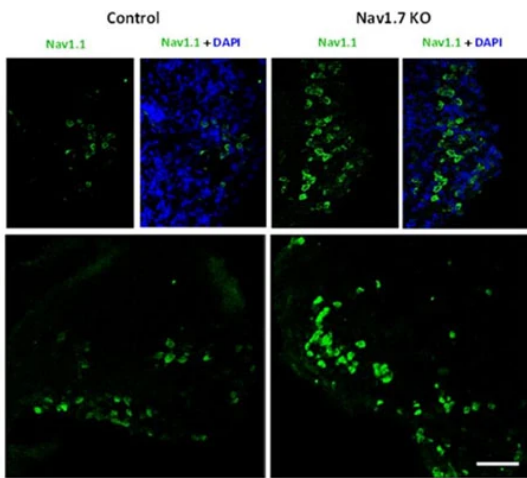
|                           |                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Available Variants</b> | 100 µL (SKU:75-023)<br>20 µL (SKU:75-023-020)                                                                                                      |
| <b>Conjugate</b>          | Unconjugated                                                                                                                                       |
| <b>Isotype</b>            | IgG1                                                                                                                                               |
| <b>Clone</b>              | K74/71                                                                                                                                             |
| <b>Gene Name</b>          | Scn1a                                                                                                                                              |
| <b>Host Species</b>       | Mouse                                                                                                                                              |
| <b>Concentration</b>      | 1 mg/mL                                                                                                                                            |
| <b>Format</b>             | Purified by Protein A chromatography                                                                                                               |
| <b>Physical State</b>     | Liquid                                                                                                                                             |
| <b>Buffer</b>             | 10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.4                                                                                      |
| <b>Production Notes</b>   | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody. |
| <b>Applications</b>       | ELISA, ICC, IHC, IP, WB                                                                                                                            |
| <b>Dilution Ranges</b>    | WB: 1:500<br>IHC: 1:250<br>ICC: 1:250                                                                                                              |
| <b>Species Reactivity</b> | Human, Mouse, Non-Human Primate, Rat                                                                                                               |
| <b>Immunogen</b>          | Fusion protein amino acids 1929-2009 (cytoplasmic C-terminus) of rat Nav1.1 (accession number P04774) produced recombinantly in E. Coli            |
| <b>Specificity</b>        | No cross-reactivity with Nav1.2, Nav1.3 and Nav1.6                                                                                                 |
| <b>Molecular Weight</b>   | 220 kDa                                                                                                                                            |

|                             |                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Quality Control</b>      | Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.                                                         |
| <b>Storage</b>              | 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. |
| <b>Antibody Registry ID</b> | AB_2238842                                                                                                                                                                                                      |
| <b>UniProt ID</b>           | <a href="#">P04774</a>                                                                                                                                                                                          |
| <b>Country of Origin</b>    | United States                                                                                                                                                                                                   |
| <b>Shipping</b>             | Shipped on ice packs                                                                                                                                                                                            |
| <b>Expiration</b>           | 24 months from date of receipt                                                                                                                                                                                  |
| <b>Usage Statement</b>      | These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.                                                                            |

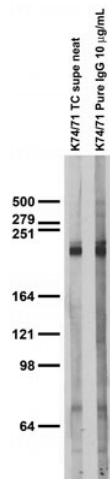
### Product Images



Adult rat hippocampus immunohistochemistry.



Immunolabeling of Nav1.1 (Cat. 75-023, 1:250) showing an increased expression in the Dorsal Root Ganglia of Nav1.7 knockout mice when compared to control mice. Image from publication. [PMID: 39559752](#).



Adult rat brain membrane immunoblot.

Product Page URL: [www.antibodiesinc.com/products/anti-nav1-1-na-channel-antibody-k74-71-75-023](http://www.antibodiesinc.com/products/anti-nav1-1-na-channel-antibody-k74-71-75-023)



Created on 31. August 2026 | All information without guarantee