

## Anti-Cav1.3 Ca<sup>2+</sup> Channel Antibody



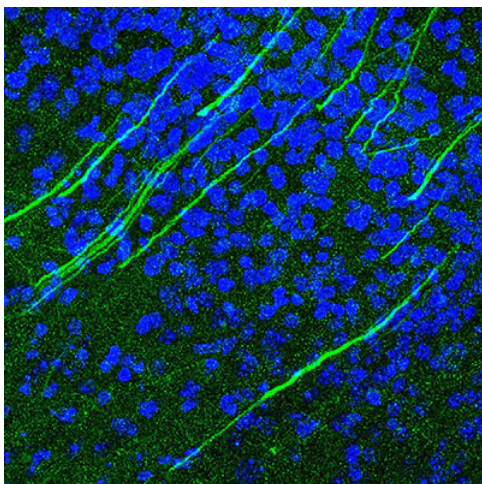
### Product Details

|                           |  |
|---------------------------|--|
| <b>Available Variants</b> | 100 µL (SKU:75-080)  |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Isotype</b>            | IgG1   |
| <b>Clone</b>              | N38/8  |
| <b>Gene Name</b>          | Cacna1d Cach3 Cacn4 Cacn1a2 Cchl1a2  |
| <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 7.10   |
| <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: 1:1000<br>IHC: 1:100<br>ICC: 1:100   |
| <b>Species Reactivity</b> | Human, Mouse, Rat  |
| <b>Immunogen</b>          | Fusion protein amino acids 2025-2161 (C-terminus) of rat Cav1.3 (accession number P27732) produced recombinantly in E. Coli                        |
| <b>Specificity</b>        | Does not cross-react with Cav1.2   |
| <b>Molecular Weight</b>   | >220 kDa   |

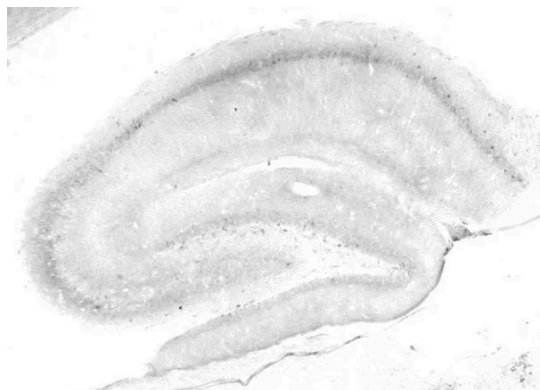
|                             |   |
|-----------------------------|---|
| <b>Quality Control</b>      | Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.   |
| <b>Storage</b>              | Aliquot and 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_10673964   |
| <b>UniProt ID</b>           | <a href="#">P27732</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.  |

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## Product Images



Immunostaining of mouse brain cortex identifying the calcium channels along axons stained with Anti-Cav1.3 Ca<sup>2+</sup> Channel Antibody (Cat. 75-080, 1:500, green) and nuclei are labeled with DAPI (blue). Image kindly provided by Kaveh Moradi, Virginia Commonwealth University.



Adult rat hippocampus immunohistochemistry.



Adult rat brain membrane immunoblot.

Product Page URL: [www.antibodiesinc.com/products/anti-cav1-3-ca2-channel-antibody-n38-8-75-080](http://www.antibodiesinc.com/products/anti-cav1-3-ca2-channel-antibody-n38-8-75-080)



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