

## Anti-Kv1.1 K<sup>+</sup> Channel Antibody



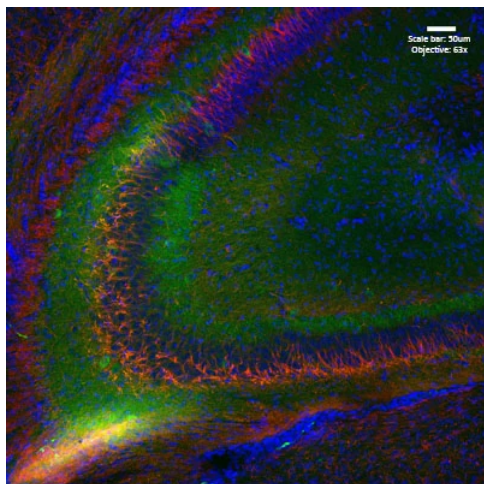
### Product Details

|                    |                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 100 µL (SKU:75-007)                                                                                                                                |
| Conjugate          | Unconjugated                                                                                                                                       |
| Isotype            | IgG1                                                                                                                                               |
| Clone              | K20/78                                                                                                                                             |
| Gene Name          | Kcna1                                                                                                                                              |
| 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 7.4                                                                                      |
| 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<br>IHC: 1:250<br>ICC: 1:500                                                                                                              |
| Species Reactivity | C. elegans, Finch, Human, Mouse, Rabbit, Rat                                                                                                       |
| Immunogen          | Synthetic peptide amino acids 458-476 (cytoplasmic C-terminus) of rat Kv1.1 (EEDMNNSIAHYRQANIRTG; accession number P10499)                         |
| Specificity        | No cross-reactivity reported                                                                                                                       |
| Molecular Weight   | 85 kDa (major: mature glycosylation), 65 kDa (minor: immature glycosylation)                                                                       |

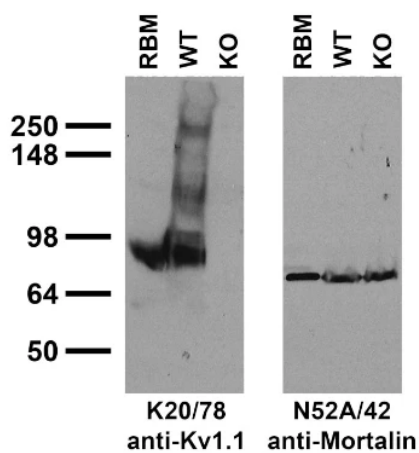
|                             |                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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_10673165                                                                                                                                                                                                     |
| <b>UniProt ID</b>           | <u>P10499</u>                                                                                                                                                                                                   |
| <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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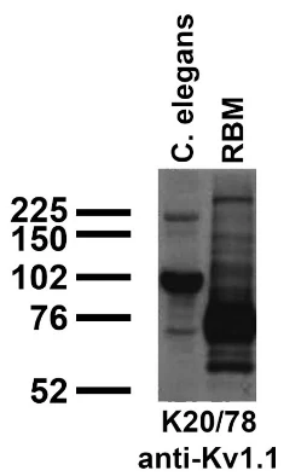
## Product Images



Immunolabeling of postnatal 14 mouse hippocampus specifically labeling Kv1.1 (Cat. 75-007, 1:200, green) and Ankyrin G (red). DNA labeled with DAPI. Mice were transcardially perfused with ice-cold 4% paraformaldehyde in PBS, then brain removed and postfixed overnight. The 50  $\mu\text{m}$  slices were floating sections, where antigen retrieval was performed with sodium citrate at  $80^{\circ}\text{C}$  for 30 minutes before immunolabeling. Images from J. Ramirez-Franco and O. El Far, Aix-Marseille Université and INSERM.



Immunoblot against crude brain membranes from adult rat (RBM) and Kv1.1 wild-type (WT) or knock-out (KO) mouse probed with K20/78 (left) or N52A/42 (right) TC supe.



Immunoblot against crude C. elegans worm extracts and crude brain membranes from adult rat (RBM) probed with K20/78 TC supe.

Product Page URL: [www.antibodiesinc.com/products/anti-kv1-1-k-channel-antibody-k20-78-75-007](http://www.antibodiesinc.com/products/anti-kv1-1-k-channel-antibody-k20-78-75-007)



Created on 11. September 2026 | All information without guarantee