

# Anti-Kv4.2 Potassium Channel Antibody FL594 Conjugate



## Product Details

|                    |                                                                                                                                                                                    |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 200 µL (SKU:75-361-FL594)                                                                                                                                                          |
| Conjugate          | FL594 Ex: 594 nm, Em: 615 nm                                                                                                                                                       |
| Isotype            | IgG1                                                                                                                                                                               |
| Clone              | L28/4                                                                                                                                                                              |
| Gene Name          | Kcnd2                                                                                                                                                                              |
| Host Species       | Mouse                                                                                                                                                                              |
| Concentration      | Lot dependent: provided at 0.3-0.5 mg/mL                                                                                                                                           |
| Format             | Purified by Protein A chromatography                                                                                                                                               |
| Physical State     | Liquid                                                                                                                                                                             |
| Buffer             | PBS with 0.09% azide                                                                                                                                                               |
| Production Notes   | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody. |
| Applications       | ICC, IHC                                                                                                                                                                           |
| Species Reactivity | Human, Mouse, Rat                                                                                                                                                                  |
| Immunogen          | Fusion protein amino acids 471-630 (cytoplasmic C-terminus) of rat Kv4.2 (accession number Q63881) produced recombinantly in E. Coli                                               |
| Specificity        | Does not cross-react with Kv4.3 (based on KO validation results)                                                                                                                   |
| Molecular Weight   | 70 kDa                                                                                                                                                                             |
| Quality Control    | 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.                            |

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| <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_2940210                                                                                                                                                                                                      |
| <b>UniProt ID</b>           | <u><a href="#">Q63881</a></u>                                                                                                                                                                                   |
| <b>Country of Origin</b>    | United States                                                                                                                                                                                                   |
| <b>Shipping</b>             | Shipped on ice packs                                                                                                                                                                                            |
| <b>Expiration</b>           | 12 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



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Product Page URL: [www.antibodiesinc.com/products/anti-kv4-2-potassium-channel-antibody-l28-4-75-361-fl594](http://www.antibodiesinc.com/products/anti-kv4-2-potassium-channel-antibody-l28-4-75-361-fl594)



Created on 10. September 2026 | All information without guarantee