

## Anti-Kv7.4/KCNQ4 K<sup>+</sup> Channel Antibody



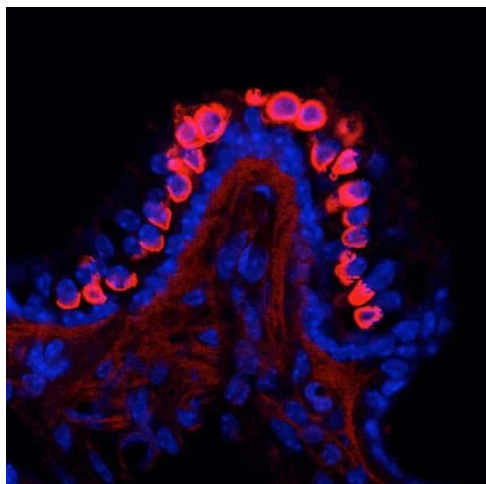
### Product Details

|                    |                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 100 µL (SKU:75-082)                                                                                                                                |
| Conjugate          | Unconjugated                                                                                                                                       |
| Isotype            | IgG1                                                                                                                                               |
| Clone              | N43/6                                                                                                                                              |
| Gene Name          | KCNQ4                                                                                                                                              |
| 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 7.12                                                                                     |
| 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: 1:200<br>ICC: 1:200                                                                                                              |
| Species Reactivity | Bovine, Human, Mouse, Rat                                                                                                                          |
| Immunogen          | Fusion protein amino acids 2-77 of human KCNQ4 (accession number P56696) produced recombinantly in E. Coli                                         |
| Specificity        | No cross-reactivity reported                                                                                                                       |
| Molecular Weight   | 77 kDa                                                                                                                                             |

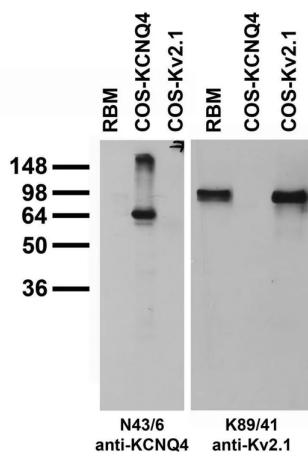
|                             |                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Quality Control</b>      | Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.                                                                  |
| <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_2131828                                                                                                                                                                                                      |
| <b>UniProt ID</b>           | <a href="#">P56696</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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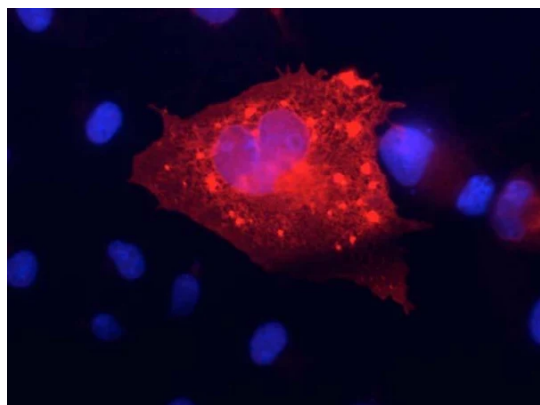
## Product Images



Mouse cochlea immunofluorescence. Labeling in crista ampullaris. Red = N43/6, Blue = Hoechst nuclear stain. Courtesy of Ms. Gesa Rickheit and Dr. Thomas Jentsch, Max-Delbrueck-Centrum fuer Molekulare Medizin, Berlin, Germany.



Adult rat brain membrane (RBM) and transfected cell immunoblot: extracts of RBM (left lane) and COS-1 cells transiently transfected with KCNQ4 (middle lane) or Kv2.1 (right lane) plasmids and probed with pure N43/6 (left panel) or K89/41 TC supe (right panel).



Transfected cell immunofluorescence :COS-1 cell expressing KCNQ4 in a field of untransfected cells. Red = N43/6, Blue = Hoechst nuclear stain.

Product Page URL: [www.antibodiesinc.com/products/anti-kv7-4-kcnq4-k-channel-antibody-n43-6-75-082](http://www.antibodiesinc.com/products/anti-kv7-4-kcnq4-k-channel-antibody-n43-6-75-082)



Created on 11. September 2026 | All information without guarantee