

## Anti-Ankyrin-G (Staining) Antibody

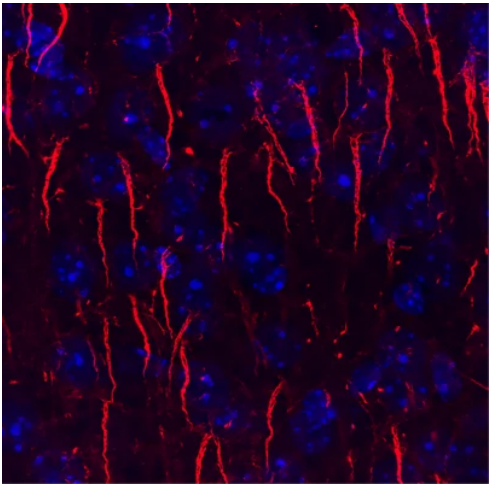


### Product Details

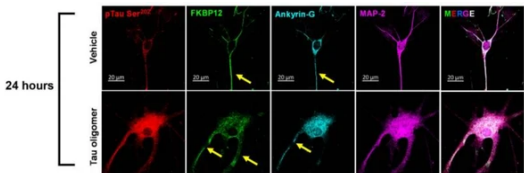
|                           |                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Available Variants</b> | 100 $\mu$ L (SKU:75-147)<br>20 $\mu$ L (SKU:75-147-020)                                                                                            |
| <b>Conjugate</b>          | Unconjugated                                                                                                                                       |
| <b>Isotype</b>            | IgG2b                                                                                                                                              |
| <b>Clone</b>              | N106/65                                                                                                                                            |
| <b>Gene Name</b>          | ANK3                                                                                                                                               |
| <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 7.74                                                                                     |
| <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, EM, ICC, IHC                                                                                                                                |
| <b>Dilution Ranges</b>    | IHC: 1:500<br>ICC: 1:500                                                                                                                           |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                                                                                                  |
| <b>Immunogen</b>          | Fusion protein ~1000 amino acids of Ankyrin-G (accession number E9PE32) produced recombinantly in E. Coli                                          |
| <b>Specificity</b>        | Does not cross-react with Ankyrin-B                                                                                                                |
| <b>Molecular Weight</b>   | <200 kDa                                                                                                                                           |

|                             |                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Quality Control</b>      | Each new lot of antibody is quality control tested by IHC on either rat or mouse brain 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_10675130                                                                                                                                                                                                     |
| <b>UniProt ID</b>           | <a href="#">E9PE32</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.                                                                            |

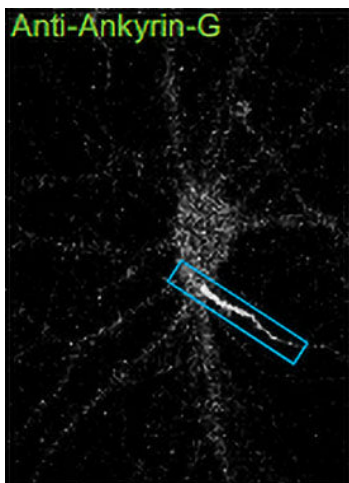
### Product Images



Immunofluorescence labeling of axon initial segments in adult rat cortex with N106/65 TC supe (red) and Hoechst nuclear stain (blue).



Representative images showed the high expression level of FKBP12 (green) in axonal hillock/axon initial segment (labeled by anti-ankyrin-G antibody, cat. 75-147; bright blue) under basal conditions whereas FKBP12 translocated to soma and dendrites when neurons bear tau aggregation. Image from publication CC-BY-4.0. [PMID:36724228](#)



Immunolabeling of mouse cultured neurons identifying axonal segments with the labeling of Ankyrin G (Cat. 75-147). Image in publication. [PMID: 39626668](#). CC-BY-4.0.

Product Page URL: [www.antibodiesinc.com/products/anti-ankyrin-g-staining-antibody-n106-65-75-147](http://www.antibodiesinc.com/products/anti-ankyrin-g-staining-antibody-n106-65-75-147)



Created on 04. September 2026 | All information without guarantee