

Anti-Ankyrin-G (Staining) Antibody

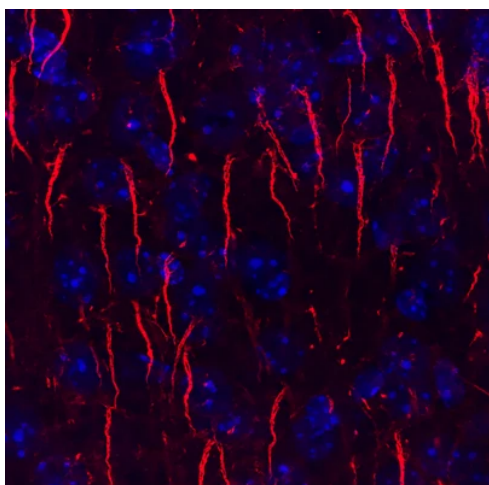


Product Details

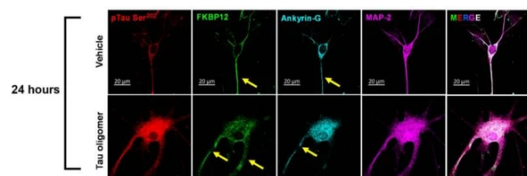
Available Variants	100 µL (SKU:75-147) 20 µL (SKU:75-147-020)
Conjugate	Unconjugated
Isotype	IgG2b
Clone	N106/65
Gene Name	ANK3
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.74
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, EM, ICC, IHC
Dilution Ranges	IHC: 1:500 ICC: 1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein ~1000 amino acids of Ankyrin-G (accession number E9PE32) produced recombinantly in E. Coli
Specificity	Does not cross-react with Ankyrin-B
Molecular Weight	<200 kDa

Quality Control	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.
Storage	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.
Antibody Registry ID	AB_10675130
UniProt ID	<u>E9PE32</u> UniProt Summary: Membrane-cytoskeleton linker. May participate in the maintenance/targeting of ion channels and cell adhesion molecules at the nodes of Ranvier and axonal initial segments. In skeletal muscle, required for costamere localization of DMD and betaDAG1. Regulates KCNA1 channel activity in function of dietary Mg(2+) levels, and thereby contributes to the regulation of renal Mg(2+) reabsorption. Required for intracellular adhesion and junctional conductance in myocytes, potentially via stabilization of GJA1/CX43 protein abundance and promotion of PKP2, GJA1/CX43, and SCN5A/Nav1.5 localization to cell-cell junctions.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	288

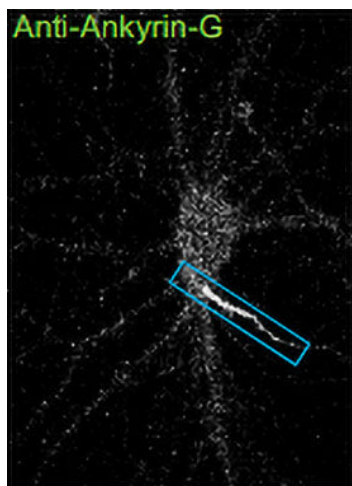
Product Images



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](https://pubmed.ncbi.nlm.nih.gov/36724228/)



Immunolabeling of mouse cultured neurons identifying axonal segments with the labeling of Ankyrin G (Cat. 75-147). Image in publication. [PMID: 39626668](https://pubmed.ncbi.nlm.nih.gov/39626668/). CC-BY-4.0.

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



Created on 25. October 2026 | All information without guarantee