

Anti-Ankyrin-G (Blotting) Antibody

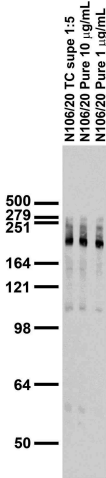


Product Details

Available Variants	100 µL (SKU:75-187)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N106/20
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 7.115
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, WB
Dilution Ranges	WB: 1:500 IHC: 1:500 ICC: 1:500
Species Reactivity	Human, Mouse, Non-Human Primate, Rat
Immunogen	Fusion protein ~1000 amino acids of Ankyrin-G (accession number E9PE32) produced recombinantly in E. Coli
Specificity	No cross-reactivity reported
Molecular Weight	>200 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.
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_2057718
UniProt ID	E9PE32
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.

Product Images



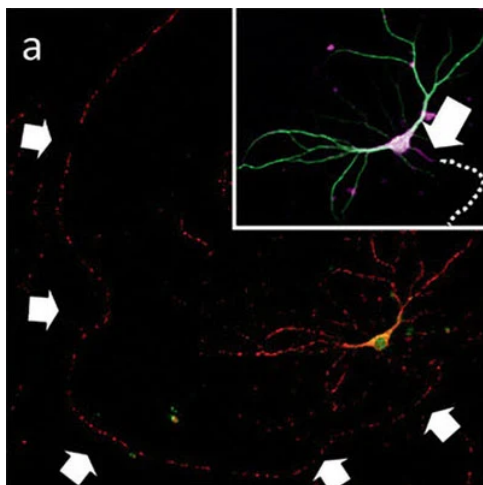
Adult rat brain membrane immunoblot.

Cortical neuron culture

Blot: AnkG	Total protein (Inp.)			Palmitoyl-protein (ABE)			
	Vehicle	LiCL	2-BrP	Vehicle	LiCL	2-BrP	Vehicle - :NH ₂ OH
480 kDa AnkG							
270 kDa AnkG							
200 kDa AnkG							
190 kDa AnkG							

Lysates of rat cortical neurons treated with the indicated compounds were subjected to ABE to purify palmitoylated proteins. Levels of palmitoyl-AnkG-190 (right blot) and total AnkG (Cat. 75-187) expression in parent lysates (left blot bottom blot) were detected with specific antibodies. Exclusion of NH₂OH was used as a control for assay specificity. Image from publication CC-BY-4.0.

[PMID:36969554](#)



Representative field of view (FOV) for near-simultaneous recording of calcium activity (Fluo-4) and axonal mitochondrial transport (mitoTracker Red) of primary mouse hippocampal neurons in sparse cultures. Arrows mark axonal fiber. Inset: MAP2 (green), AnkG (magenta) and Tau immunolabeling to verify axonal identity and origin. Arrow indicates axon initial segment. Dotted line indicates axonal path. image from publication, CC-BY-4.0. [PMID: 39698051](#).

Product Page URL: www.antibodiesinc.com/products/anti-ankyrin-g-blotting-antibody-n106-20-75-187



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