

Anti-Pan-Shank Antibody

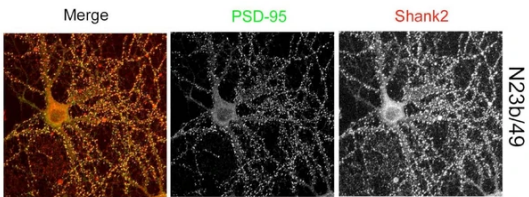


Product Details

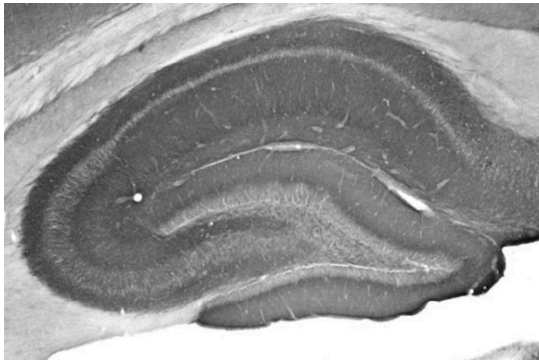
Available Variants	100 μ L (SKU:75-089) 20 μ L (SKU:75-089-020)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N23B/49
Gene Name	Shank1 Shank2 Cortbp1 Kiaa1022 PROSAP1 Shank3 Kiaa1650 Prosap2 PSAP2
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.19
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: 1:1000 IHC: 1:500 ICC: 1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein amino acids 84-309 (SH3/PDZ domains) of rat Shank2 (accession number Q9QX74) produced recombinantly in E. Coli
Specificity	Recognizes Shank1, Shank2 and Shank3
Molecular Weight	160 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_10672418
UniProt ID	Q9QX74
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.

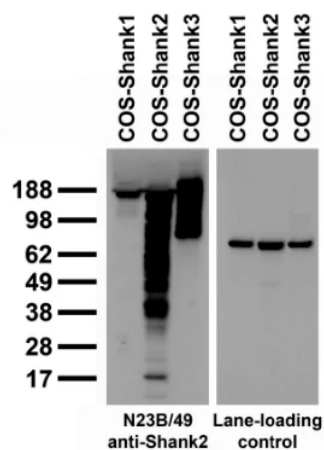
Product Images



Cultured rat hippocampal neuron immunofluorescence: N23B/49 (Pan-Shank) = red, rabbit anti-PSD-95 = green, merge = yellow (bottom right). Image courtesy of Dr. Albert Hung, Picower Institute, MIT.



Adult rat hippocampus immunohistochemistry.



Transfected cell immunoblot: extracts of COS-1 cells transiently transfected with Shank1, Shank2 or Shank3 plasmids and probed with N23B/49 TC supe or a lane loading control.

Product Page URL: www.antibodiesinc.com/products/anti-pan-shank-antibody-n23b-49-75-089



Created on 11. September 2026 | All information without guarantee