

Product datasheet for 75-089

Shank2 Mouse Monoclonal Antibody [Clone ID: N23B/49]

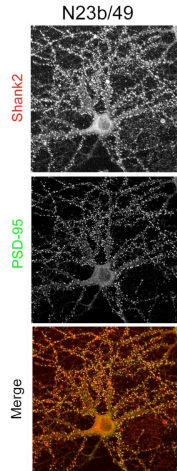
Product data:

Product Type:	Primary Antibodies
Clone Name:	N23B/49
Applications:	IF, IHC, IP, WB
Recommend Dilution:	Immunoblot (IB) Immunohistochemistry (IHC) Immunoprecipitation (IP)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 84-309 (SH3/PDZ domains) of rat Shank2 (accession number Q9QX74). Human: 94% identity (213/226 amino acids identical). Mouse: 97% identity (220/226 amino acids identical).
Specificity:	Recognizes Shank1, Shank2 and Shank3
Formulation:	State: Purified
Gene Name:	SH3 and multiple ankyrin repeat domains 2
Database Link:	Entrez Gene 171093 Rat
Synonyms:	CORTBP1; CTTNBP1; KIAA1022; ProSAP1; SHANK; SPANK-3
Note:	USERS will cite the UC Davis/NIH NeuroMab Facility in any publication(s) describing the research utilizing the MATERIALS. The suggested acknowledgment statement is as follows: "The monoclonal antibody _ was developed by and/or obtained from the UC Davis/NIH NeuroMab Facility, supported by NIH grant U24NS050606 and maintained by the Department of Neurobiology, Physiology and Behavior, College of Biological Sciences, University of California, Davis, CA 95616." Also, please include the complete clone number (e.g., N52A/42) and the Antibody Registry identification number (e.g., RRID:AB_2120479) to avoid ambiguity. View Research License Agreement

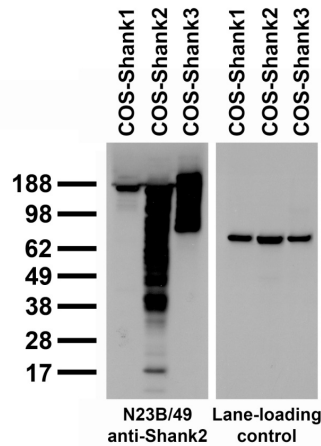


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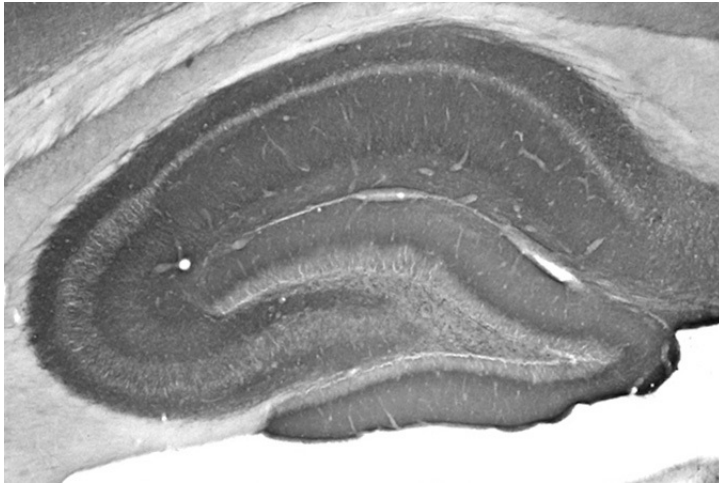
Product images:



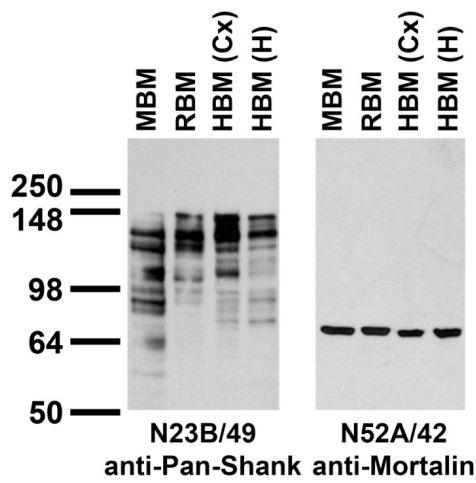
Cultured rat hippocampal neuron immunofluorescence: N23B/49 (Pan-Shank) = red, rabbit anti-PSD-95 = green, merge = yellow (bottom right). Image courtesy of Dr. Albert Hung, Picower Institute, MIT.



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.



Adult rat hippocampus immunohistochemistry.



Immunoblots on brain membranes prepared from whole rat (RBM) and mouse (MBM) brain, and from human cerebral cortex [HBM(Cx)] and hippocampus [HBM(H)].