

Product datasheet for 75-086

Kcnmb4 Mouse Monoclonal Antibody [Clone ID: L18A/3]

Product data:

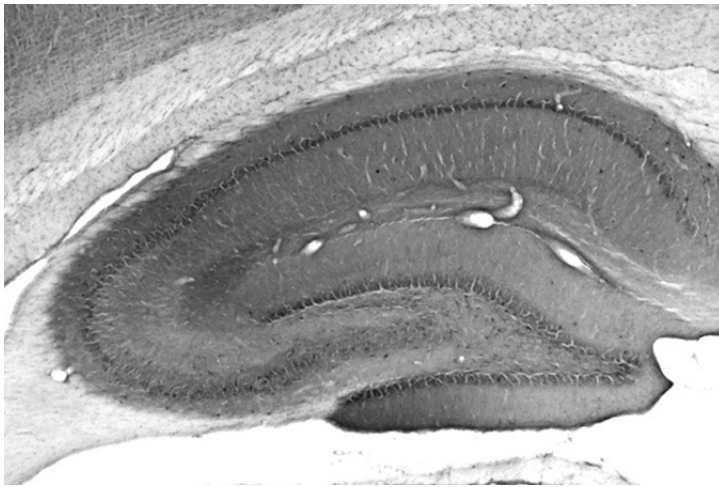
Product Type:	Primary Antibodies
Clone Name:	L18A/3
Applications:	IHC, IP, WB
Recommend Dilution:	Immunoblot (IB) Immunohistochemistry (IHC) Immunoprecipitation (IP)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 45-167 (entire extracellular domain) of mouse BKBeta4 (accession number NP_067427). Rat: 100% identity (123/123 amino acids identical). Human: 95% identity (117/123 amino acids identical).
Specificity:	No cross-reactivity against BKBeta1, BKBeta2 or BKBeta3
Formulation:	State: Purified
Gene Name:	Mus musculus potassium large conductance calcium-activated channel, subfamily M, beta member 4 (Kcnmb4)
Database Link:	Entrez Gene 27345 Human Entrez Gene 66016 Rat Entrez Gene 58802 Mouse
Synonyms:	Maxi K channel subunit beta-4, BK channel subunit beta-4, K(VCA)beta-4, Slo-beta-4, Charybdotoxin receptor subunit beta-4



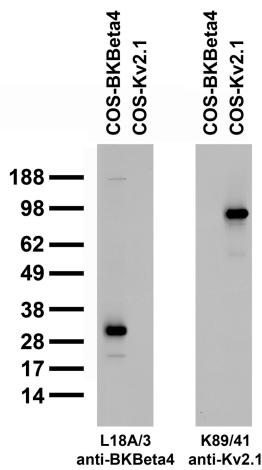
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Note: USERS will cite the UC Davis/NIH NeuroMab Facility in any publication(s) describing the research utilizing the MATERIALS. The suggested acknowledgment statement is as follows: "The monoclonal antibody _ was developed by and/or obtained from the 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](#)

Product images:



Adult rat hippocampus immunohistochemistry



Transfected cell immunoblot: extracts of COS-1 cells transiently transfected with BKBeta4 or Kv2.1 plasmids and probed with L18A/3 pure IgG at 10 µg/mL (left panel) or K89/41 TC supe (right panel).