

Product datasheet for 73-017

Kcnd3 Mouse Monoclonal Antibody [Clone ID: K75/41]

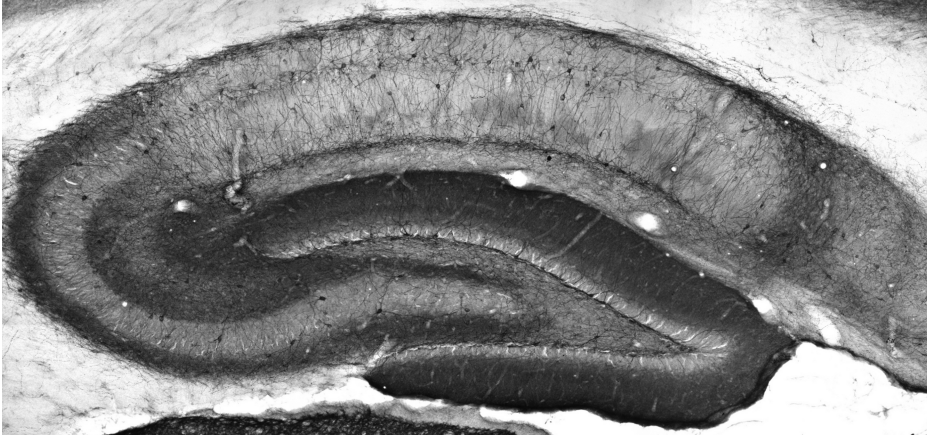
Product data:

Product Type:	Primary Antibodies
Clone Name:	K75/41
Applications:	IHC, IP, WB
Recommend Dilution:	Immunoblot (IB) Immunohistochemistry (IHC) Immunoprecipitation (IP)
Reactivity:	Human, Mouse, Rat, Xenopus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 415-636 (cytoplasmic C- terminus) of rat Kv4.3 (accession number Q62897). Human: 99% identity (203/205 amino acids). Mouse: 98% identity (201/205 amino acids).
Formulation:	State: Supernatant
Gene Name:	potassium voltage-gated channel subfamily D member 3
Database Link:	Entrez Gene 65195 Rat
Synonyms:	Potassium voltage-gated channel subfamily D member 3, Voltage-gated potassium channel subunit Kv4.3
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

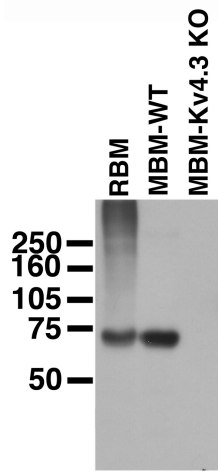


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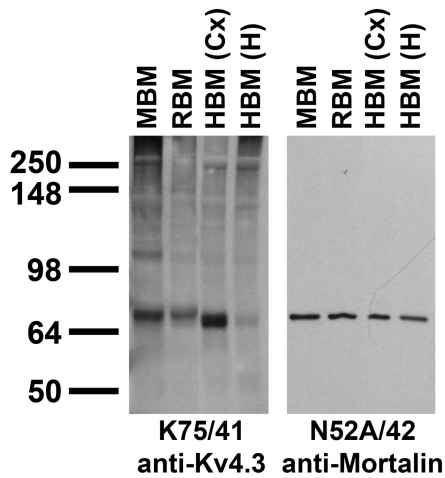
Product images:



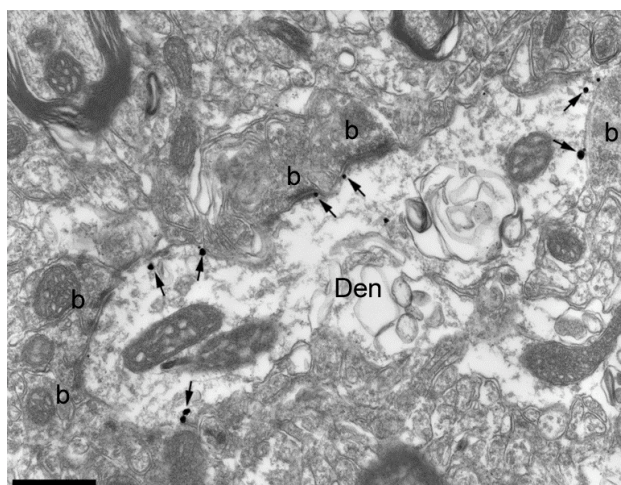
Adult rat hippocampus immunohistochemistry



Immunoblot on adult rat brain membranes (RBM), and adult mouse brain membranes from wild-type (MBM-WT) and Kv4.3 knockout (MBM-Kv4.3-KO) mice. MBM samples courtesy of Dr. Jeanne Nerbonne, Washington University School of Medicine



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



Electron micrograph shows K75/41 immunolabelling in the hippocampus using a pre-embedding immunogold method. Immunogold particles (arrows) were observed along the extrasynaptic plasma membrane of dendritic shafts (Den) of interneurons establishing synaptic contacts with excitatory axon terminals (b). Scale bar = 500 nm. Courtesy Dr. Rafael Lujan (Universidad de Castilla-La Mancha).