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Product datasheet for 73-008

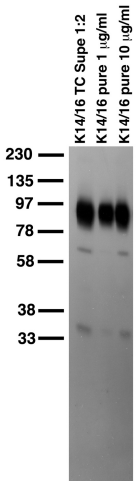
Kv1.2 (KCNA2) Mouse Monoclonal Antibody [Clone ID: K14/16]

Product data:

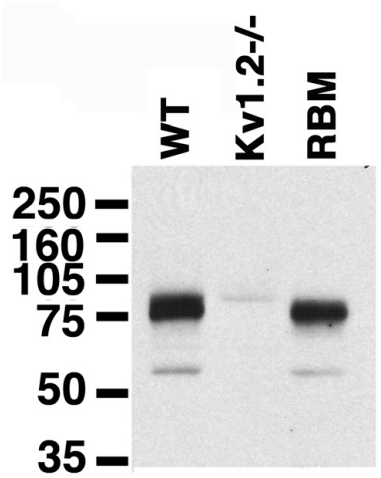
Product Type:	Primary Antibodies
Clone Name:	K14/16
Applications:	IF, IHC, IP, WB
Recommend Dilution:	**Immunoblot, Immunocytochemistry, Immunohistochemistry and Immunoprecipitation.**
Reactivity:	Human, Mouse, Rat, Xenopus, Zebrafish
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 428-499 (QYLQVTSCPKIPSSPDLKKSRSASTISKSDYMEIQEGVNNSN EDFREENLKTANCTLANTNYVNITKMLTDV, cytoplasmic C-terminus) of human Kv1.2 (also known as Potassium voltage-gated channel subfamily A member 2, Voltage-gated K(+) channel HuKIV or HBK5, Kcna2, NGK1, RAK, RBK2, RCK5 and MK2, accession number P16389), epitope mapped to within underlined sequence (amino acids 463-480). Mouse: 100% identity (72/72 amino acids identical) Rat: 100% identity (72/72 amino acids identical) Some identity with Kv1.1, Kv1.3 and Kv1.4
Specificity:	No cross-reactivity against Kv1.1, Kv1.3, Kv1.4, Kv1.5 or Kv1.6
Formulation:	State: Supernatant
Gene Name:	potassium voltage-gated channel subfamily A member 2
Database Link:	Entrez Gene 3737 Human
Synonyms:	Potassium voltage-gated channel subfamily A member 2, Voltage-gated potassium channel subunit Kv1.2, HBK5, NGK1, HUKIV, KCNA2

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:

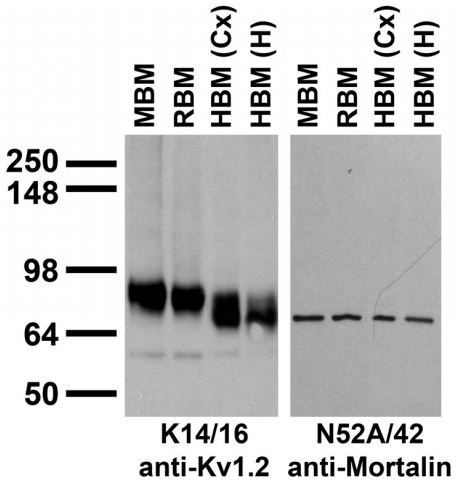


adult rat brain membrane immunoblot.



immunoblot on brain membranes from wild-type (WT) and Kv1.2 knockout (Kv1.2-/-) mice and from adult rat brain (RBM).

adult rat hippocampus immunohistochemistry



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