

## Product datasheet for **73-016**

### **Kv4.2 (KCND2) Mouse Monoclonal Antibody [Clone ID: K57/1]**

#### **Product data:**

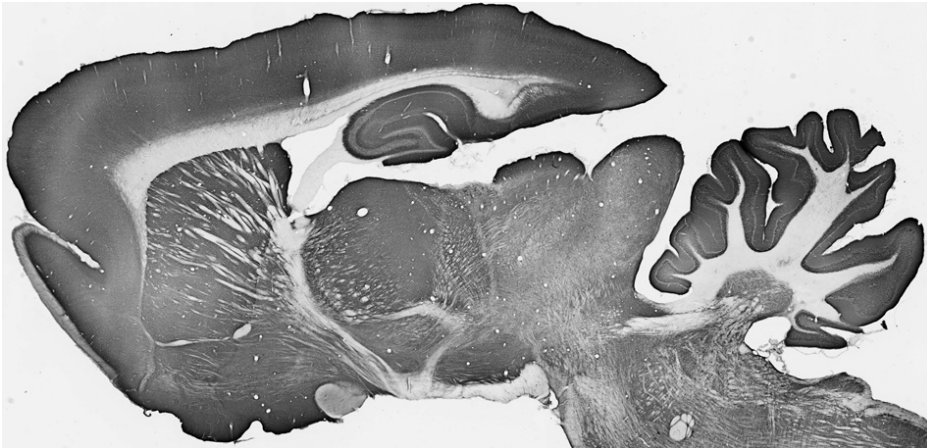
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	K57/1
<b>Applications:</b>	IF, IHC, IP, WB
<b>Recommend Dilution:</b>	<b>Immunoblot (IB).</b> <b>Immunohistochemistry (IHC).</b> <b>Immunocytochemistry (ICC).</b> <b>Immunoprecipitation (IP).</b>
<b>Reactivity:</b>	Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Synthetic peptide amino acids 209-225 (CGSSPGHIKELPSGERY, extracellular S1-S2 loop, where third Ser was substituted in place of a Cys for peptide conjugation purposes) of human Kv4.2 (Potassium voltage-gated channel subfamily D member 2, Voltage-gated potassium channel subunit Kv4.2, Kcnd2, Kiaa1044, MNcb-7013, RK5 and Shal1, accession number Q9NZV8). Rat: 100% identity (17/17 amino acids identical) Mouse: 100% identity (17/17 amino acids identical) >75% identity with Kv4.3
<b>Specificity:</b>	Does not cross-react with Kv4.3
<b>Formulation:</b>	State: Supernatant
<b>Gene Name:</b>	potassium voltage-gated channel subfamily D member 2
<b>Synonyms:</b>	Potassium voltage-gated channel subfamily D member 2, Voltage-gated potassium channel subunit Kv4.2, KIAA1044



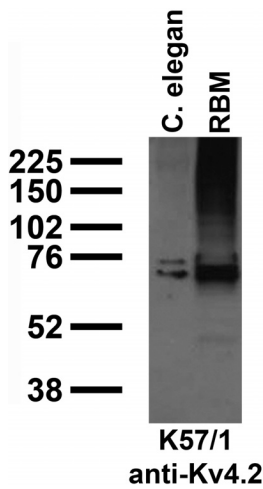
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**Note:** USERS will cite the UC Davis/NIH NeuroMab Facility in any publication(s) describing the research utilizing the MATERIALS. The suggested acknowledgment statement is as follows: "The monoclonal antibody \_ was developed by and/or obtained from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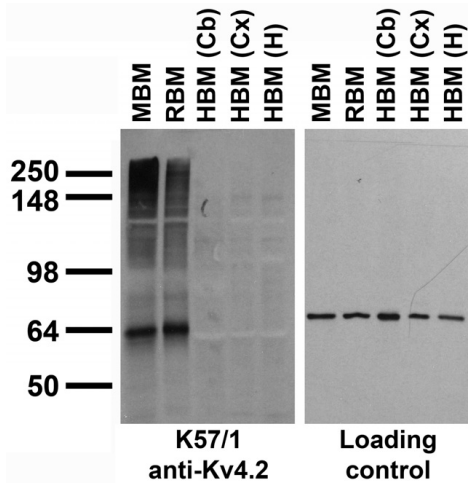
**Product images:**



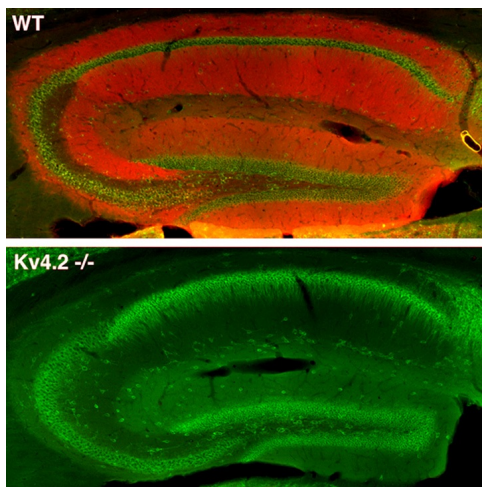
adult rat brain immunohistochemistry



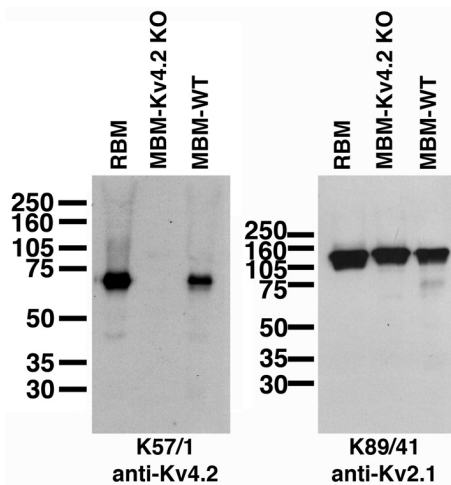
immunoblot against crude C. elegans worm extracts and RBM



immunoblot against crude brain membranes from adult rat (RBM) and wild-type (MBM-WT) and Kv4.2 knockout (MBM-Kv4.2-KO) mice probed with K57/1 (left) or K89/41 (right) TC supe.



immunofluorescence staining of adult wild-type (WT) and Kv4.2 knockout (Kv4.2-/-) mouse hippocampus with K57/1 (red) and Kv2.1 rabbit (green).



immunoblot against crude brain membranes from adult rat (RBM) and wild-type (MBM-WT) and Kv4.2 knockout (MBM-Kv4.2-KO) mice probed with K57/1 (left) or K89/41 (right) TC supe.