

## Product datasheet for 75-015

### Kv2.2 (KCNB2) Mouse Monoclonal Antibody [Clone ID: K37/89]

#### Product data:

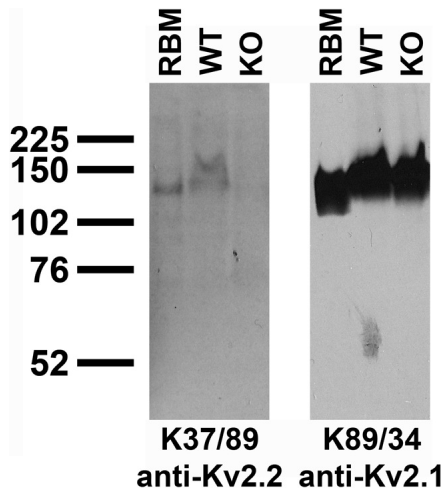
Product Type:	Primary Antibodies
Clone Name:	K37/89
Applications:	IF, IHC, IP, WB
Recommend Dilution:	<b>Immunoblot (IB).</b> <b>Immunohistochemistry (IHC).</b> <b>Immunocytochemistry (ICC).</b> <b>Immunoprecipitation (IP).</b>
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 1-61 (MAEKAPPGLNRKTSRSTLSLPPEPVDIIRSKTCSRRVKINVGGLN HEVLWRTLDRLPRTL, cytoplasmic N-terminus) of human Kv2.2 (also known as Potassium voltage-gated channel subfamily B member 2, Kcnb2 and CDRK, accession number Q92953). Rat: 100% identity (61/61 amino acids identical) Mouse: 100% identity (61/61 amino acids identical) >65% identity with Kv2.1
Specificity:	Does not cross-react with Kv2.1
Formulation:	State: Purified
Gene Name:	potassium voltage-gated channel subfamily B member 2
Database Link:	<a href="#">Entrez Gene 9312 Human</a>
Synonyms:	Voltage-gated potassium channel subunit Kv2.2



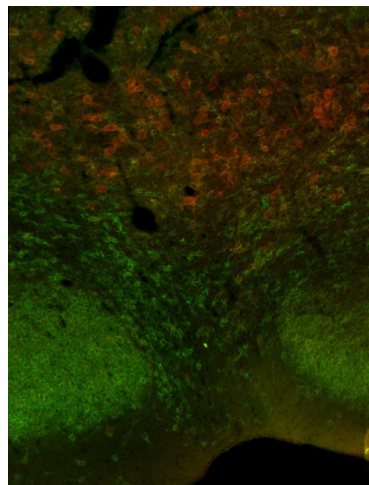
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**Note:** USERS will cite the UC Davis/NIH NeuroMab Facility in any publication(s) describing the research utilizing the MATERIALS. The suggested acknowledgment statement is as follows: "The monoclonal antibody \_ was developed by and/or obtained from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

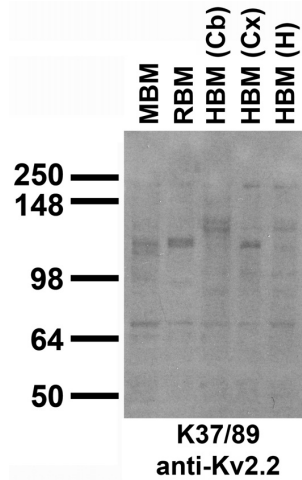
**Product images:**



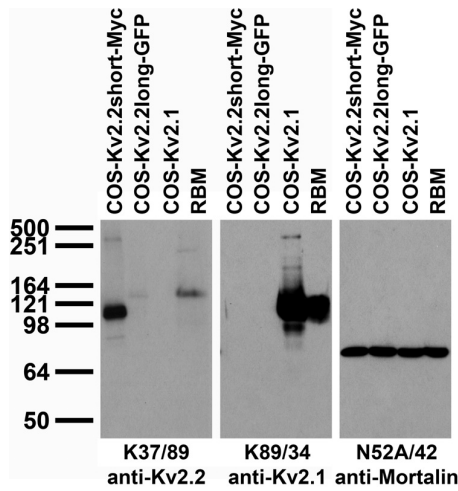
immunoblot against adult rat brain membranes (RBM) and membranes from Kv2.2 wild-type (WT) and knockout (KO) mice probed with K37/89 (left) or K89/34 TC supe. Mouse brains courtesy of Amy Huntley and Jeanne Nerbonne (Washington University).



adult rat basal forebrain immunofluorescence with antigen retrieval via sodium citrate pretreatment with K37/89 (red) and Kv2.1 rabbit (green). Image courtesy of Kaori Misonou and Hiroaki Misonou (University of Maryland, now at Doshisha University, Japan).



immunoblot against crude membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human cerebellum [HBM(Cb)], cerebral cortex [HBM(Cx)] or hippocampus [HBM(H)] and probed with K37/89 TC supe



immunoblot against adult rat brain membranes (RBM) and extracts of COS cells transiently transfected with Myc-tagged Kv2.2short, GFP-tagged Kv2.2long or untagged Kv2.1 plasmid probed with K37/89 (left), K89/34 (middle) or N52A/42 (right) TC supe.