

## Product datasheet for 73-105

### Kcna1 Mouse Monoclonal Antibody [Clone ID: K36/15]

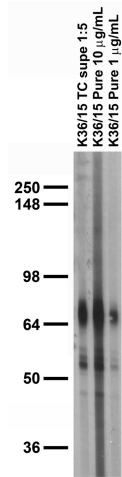
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	K36/15
Applications:	IF, IHC, WB
Recommend Dilution:	<b>Immunoblot (IB).</b> <b>Immunocytochemistry (ICC).</b> <b>Immunohistochemistry (IHC).</b>
Reactivity:	Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Synthetic peptide amino acids 191-208 (ELKDDKDFGTIHRIDNTC, extracellular domain) of rat Kv1.1 (also known as potassium voltage-gated channel subfamily A member 1, IA, RBK1, RCK1, accession number P10499). Mouse: 100% identity (18/18 amino acids identical). Human: 94% identity (17/18 amino acids identical).
Formulation:	State: Supernatant
Gene Name:	potassium voltage-gated channel subfamily A member 1
Database Link:	<a href="#">Entrez Gene 24520 Rat</a>
Synonyms:	HUK1, HBK1
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. <a href="#">View Research License Agreement</a>

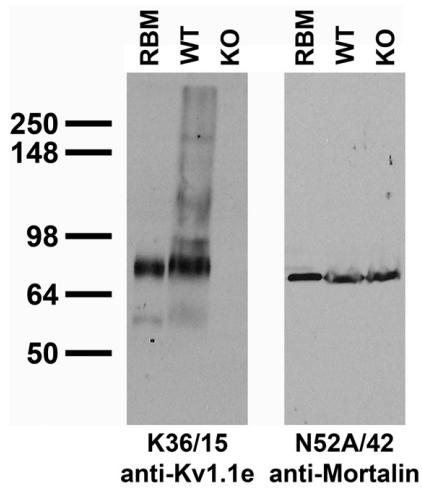


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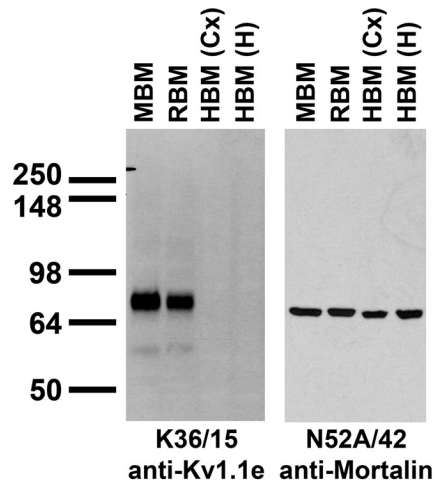
Product images:



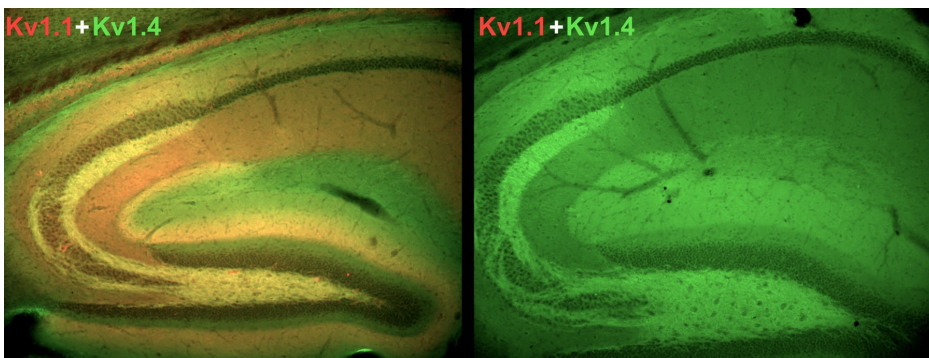
Adult brain membrane immunoblot



immunoblot against crude brain membranes from adult rat (RBM) and Kv1.1 wild-type (WT) or knock-out (KO) mouse probed with K36/15 (left) or N52A/42 (right) TC supe.



immunoblot versus crude brain membranes from adult mouse (MBM), rat (RBM) and human cerebral cortex [HBM(Cx)] and hippocampus [HBM(H)] probed with K36/15 (left) or N52A/42 (right) TC supe.



immunofluorescence staining of hippocampus from adult Kv1.1 wildtype (left) or knock-out (right) mouse with K36/15 (red) and K13/31 (green, Kv1.4).