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Product datasheet for 73-357

Kcnk3 Mouse Monoclonal Antibody [Clone ID: N374/48]

Product data:

Product Type:	Primary Antibodies
Clone Name:	N374/48
Applications:	IF, IHC, WB
Recommend Dilution:	Immunoblot (IB) Immunohistochemistry (IHC) Immunocytochemistry (ICC)
Reactivity:	Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 251-411 (cytoplasmic C-terminus) of rat Acid-sensitive potassium channel protein TASK or TASK1 (also known as Potassium channel subfamily K member 3, TWIK-related acid-sensitive K(+) channel 1, Two pore potassium channel KT3.1, Cardiac two pore background K(+) channel, KCNK3 and cTBAK-1, accession number O54192). Mouse: 96% identity (156/161 amino acids identical) Human: 76% identity (163/161 amino acids identical) <30% identity with TASK3
Specificity:	Does not cross-react with TASK3
Formulation:	State: Supernatant
Gene Name:	potassium two pore domain channel subfamily K member 3
Database Link:	Entrez Gene 29553 Rat
Synonyms:	KCNK3, TASK, TASK1, Potassium channel subfamily K member 3

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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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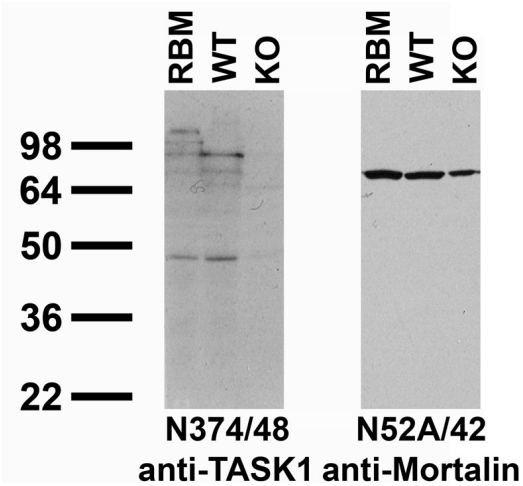
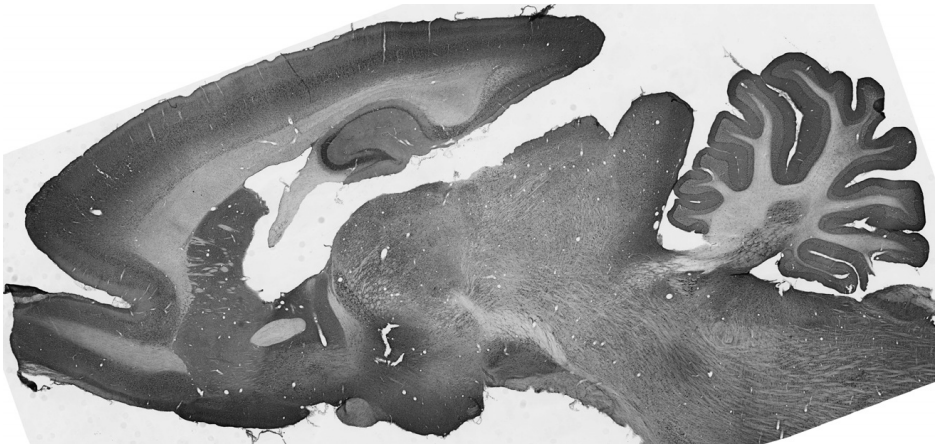
Product images:



Immunoblot versus crude membranes from adult rat brain (RBM) and wild-type (WT) and TASK1 KO mouse brains probed with N374/48 (left) and N52A/42 (right) TC supe. Mouse brains courtesy of Doug Bayliss (University of Virginia).



Middle and bottom: adult rat hippocampus and whole brain immunohistochemistry