

Product datasheet for 75-052

CACNB1 Mouse Monoclonal Antibody [Clone ID: N7/18]

Product data:

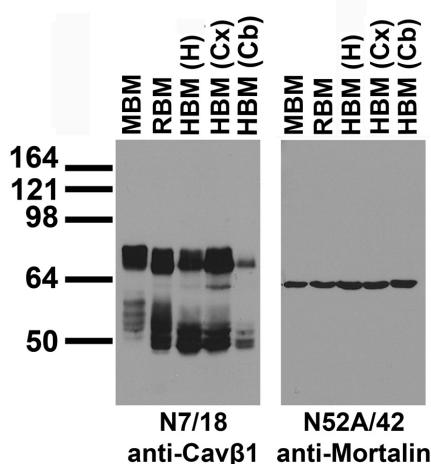
Product Type:	Primary Antibodies
Clone Name:	N7/18
Applications:	IHC, IP, WB
Recommend Dilution:	Immunoblot (IB) Immunohistochemistry (IHC) Immunoprecipitation (IP)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Synthetic peptide amino acids 19-34 (PMEVFDSPQ GKYSKR) of human Cav β 1 (also known as Voltage-dependent L-type calcium channel subunit beta-1, Calcium channel voltage-dependent subunit beta 1, Cacnb1, Cacnlb1 and CAB1, accession number Q02641). Rat: 100% identity (16/16 amino acids identical). Mouse: 100% identity (16/16 amino acids identical). 100% identity between all Cav β 1 splice variants. <50% identity with Cav β 2, Cav β 3 and Cav β 4.
Specificity:	Does not cross-react with Cav β 2, Cav β 3 or Cav β 4
Formulation:	State: Purified
Gene Name:	calcium voltage-gated channel auxiliary subunit beta 1
Database Link:	Entrez Gene 782 Human
Synonyms:	CAB1, CACNLB1



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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](#)

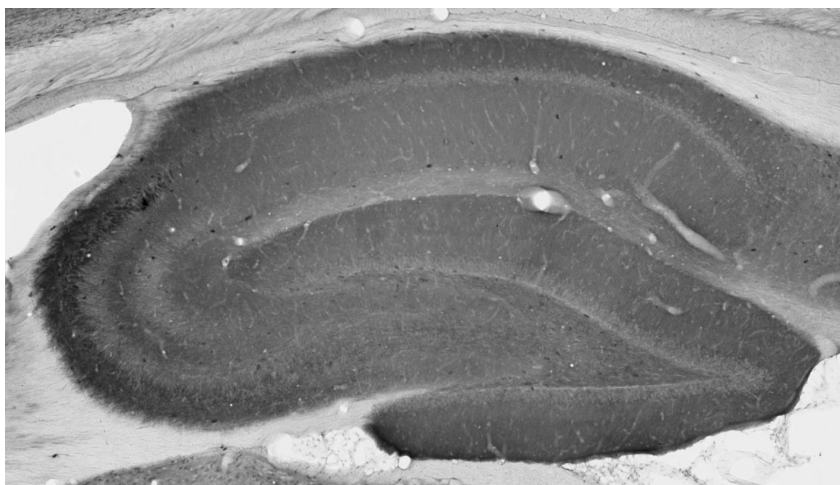
Product images:



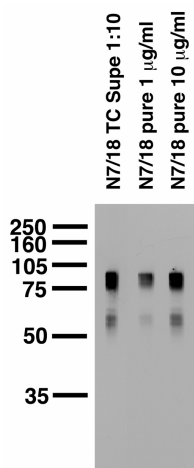
immunoblot against crude membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human hippocampus [HBM(H)], cerebral cortex [HBM(Cx)] or cerebellum [HBM(Cb)] and probed with N7/18 (left) or N52A/42 (right) TC supe.



adult rat whole brain immunohistochemistry



Adult rat hippocampus immunohistochemistry



Adult rat brain membrane immunoblot