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Product datasheet for 75-257

Cacna1c Mouse Monoclonal Antibody [Clone ID: N263/31]

Product data:

Product Type:	Primary Antibodies
Clone Name:	N263/31
Applications:	IF, IHC, WB
Recommend Dilution:	**Immunoblot (IB).** **Immunohistochemistry (IHC).** **Immunocytochemistry (ICC).**
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 808-874 (cytoplasmic loop between repeat II and III) of rat Cav1.2 (also known as Voltage-dependent L-type calcium channel subunit alpha-1C, CACNA1C, CACH2, CACN2, CACNL1A1, CCHL1A1, Brain class C and MELC-CC, accession number P22002). Mouse: 100% identity (67/67 amino acids identical) Human: 86% identity (58/67 amino acids identical) <<50% identity with other Cav1 channels
Specificity:	Does not cross-react with Cav1.3
Formulation:	State: Purified
Gene Name:	calcium voltage-gated channel subunit alpha1 C
Database Link:	Entrez Gene 24239 Rat
Synonyms:	CACH2, CACN2, CACNL1A1, CCHL1A1, Cav1.2

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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.
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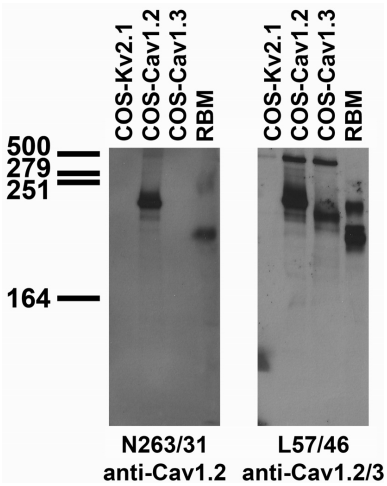
Product images:



Tissue and transfected cell immunoblot: extracts of rat brain membrane (RBM) and COS cells transiently transfected with untagged Cav1.2, Cav1.3 or Kv2.1 plasmids and probed with N263/31 (left) and L57/46 (right) TC supe.