

## Product datasheet for 75-198

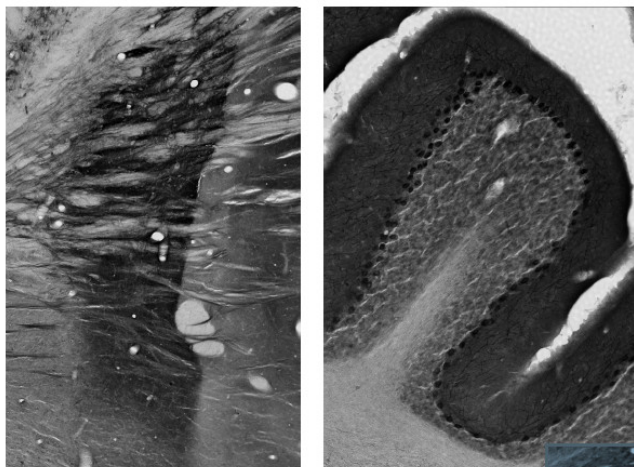
### Scn4b Mouse Monoclonal Antibody [Clone ID: N168/6]

#### Product data:

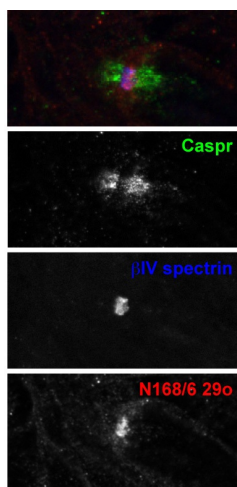
Product Type:	Primary Antibodies
Clone Name:	N168/6
Applications:	IF, IHC, WB
Recommend Dilution:	<b>Immunoblot (IB).</b> <b>Immunocytochemistry (ICC).</b> <b>Immunohistochemistry (IHC).</b>
Reactivity:	Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 184-228 (cytoplasmic C-terminus) of rat Navbeta4 (also known as Sodium channel subunit beta-4, Scn4b and Gm1471, accession number Q7M730). Mouse: 100% identity (45/45 amino acids identical) Human: 95% identity (43/45 amino acids identical)
Formulation:	State: Purified
Gene Name:	sodium voltage-gated channel beta subunit 4
Database Link:	<a href="#">Entrez Gene 315611 Rat</a>
Synonyms:	SCN4B
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>



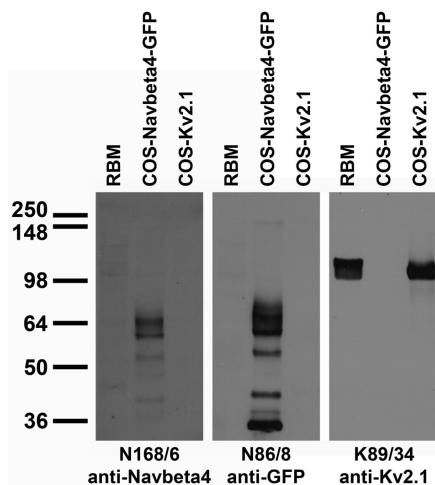
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**Product images:**

Adult rat brain immunohistochemistry. N168/6 staining in striatal efferents in globus pallidus (left) and of Purkinje cell bodies and dendrites in cerebellar cortex (right).



Adult rat sciatic nerve immuno-fluorescence staining: paranodes labeled with Caspr (green) surround nodes of Ranvier labeled with Beta-IV spectrin (blue) and N168/6 (red). Images courtesy of Shelly Buffington and Matt Rasband (Baylor College of Medicine).



Adult rat brain membrane (RBM) and transfected cell immunoblot: extracts of RBM and COS cells transiently transfected with GFP-tagged Navbeta4 or untagged Kv2.1 plasmid and probed with N168/6 (left), N86/8 (middle) and K89/34 (right) TC supe.