

Product datasheet for **TA326577**

Scn2a Mouse Monoclonal Antibody [Clone ID: S69-3]

Product data:

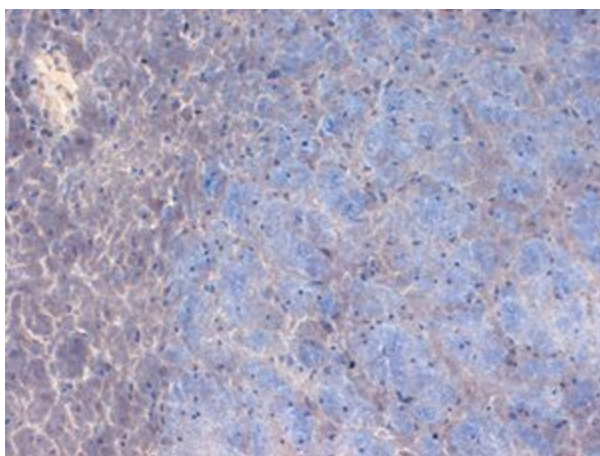
Product Type:	Primary Antibodies
Clone Name:	S69-3
Applications:	IHC, WB
Recommended Dilution:	WB: 1ug/ml, IHC: 0.1-1ug/ml, IF: 1-10ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 1882-2005 (cytoplasmic C-terminus) of rat Nav1.2
Formulation:	PBS pH7.4, 50% glycerol
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	sodium voltage-gated channel alpha subunit 2
Database Link:	NP_036779 Entrez Gene 6326 HumanEntrez Gene 110876 MouseEntrez Gene 24766 Rat P04775
Background:	Nav1.2 is a protein that in humans is encoded by the SCN2A gene. Voltage-gated sodium channels are transmembrane glycoprotein complexes composed of a large alpha subunit with 24 transmembrane domains and one or more regulatory beta subunits. They are responsible for the generation and propagation of action potentials in neurons and muscle. Neuronal Nav1.2 channels are therapeutic targets in seizure, pain and stroke.
Synonyms:	BFIC3; HBA; HBSCI; HBSCII; Na(v)1.2; NAC2; Nav1.2; OTTHUMP00000041050; SCN2A1; SCN2A2
Note:	Detects ~250kDa.



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Product images:

Western blot analysis of Nav1.2 on rat brain membrane tissues using a 1:1000 dilution of the antibody



IHC analysis of Nav1.2 in frozen sections of mouse brain extract using the antibody