

Product datasheet for TA326498

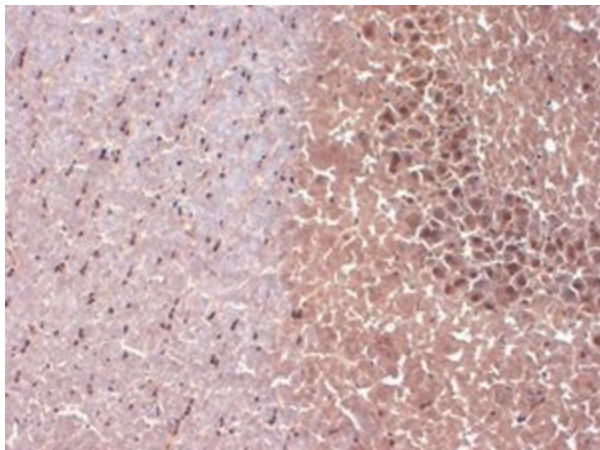
SCN1A Mouse Monoclonal Antibody [Clone ID: S74-71]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S74-71
Applications:	IHC
Recommend Dilution:	WB: 1ug/ml, IHC: 0.1-1ug/ml, IF: 1-10ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 1929-2009 (cytoplasmic C-terminus) of rat Nav1.1
Formulation:	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Concentration:	1 mg/ml
Purification:	Protein G Purified
Gene Name:	sodium voltage-gated channel alpha subunit 1
Database Link:	NP_001159435 Entrez Gene 20265 MouseEntrez Gene 81574 RatEntrez Gene 6323 Human
Background:	Voltage gated sodium channels initiate action potentials in neurons. Nav1.1 is abundant in the adult brain, and primarily localized in cell bodies. Mutations in the Nav1.1 channels cause generalized epilepsy with febrile seizures plus (GEFS+). Studies show that Nav1.1 channels also play a crucial role in the excitability of cerebellar Purkinje neurons, with major contributions to peak, persistent and resurgent forms of sodium current and to sustained action potential firing .
Synonyms:	EIEE6; FEB3; FEB3A; FHM3; GEFSP2; HBSCI; NAC1; Nav1.1; SCN1; SMEI
Note:	Detects ~220kDa. No cross reactivity against Nav1.2, Nav1.3 and Nav1.6
Protein Families:	Druggable Genome, Transmembrane



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Product images:

IHC analysis of Nav1.1 in frozen sections of mouse brain extract using the antibody