Anti-SCN1B antibody

Description	Unconjugated Rabbit polyclonal to SCN1B

Model	STJ191437
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	6324
Gene Symbol	SCN1B
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	SCN1B Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	The overall expression of isoforms 1 and 2 is very similar. Isoform 1 is abundantly expressed in skeletal muscle, heart and brain. Isoform 2 is highly expressed in brain and skeletal muscle and present at a very low level in heart, placenta, lung, liver, kidney and pancreas. In brain, isoform 2 is most abundant in the cerebellum, followed by the cerebral cortex and occipital lobe, while isoform 1 levels are higher in the cortex compared to the cerebellum. Isoform 2 is expressed in many regions of the brain
Purification	SCN1B antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Sodium channel subunit beta-1
Molecular Weight	23 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:10586OMIM:600235
Alternative Names	Sodium channel subunit beta-1
Function	Crucial in the assembly, expression, and functional modulation of the heterotrimeric complex of the sodium channel. The subunit beta-1 can modulate multiple alpha subunit isoforms from brain, skeletal muscle, and heart. Its association with neurofascin may target the sodium channels to the nodes of Ranvier of developing axons and retain these channels at the nodes in mature myelinated axons. Isoform 2: Cell adhesion molecule that plays a critical role in neuronal migration and pathfinding during brain development. Stimulates neurite outgrowth.
Cellular Localization	Isoform 1: Cell membrane Isoform 2: Secreted