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Anti-SCN8A / Nav1.6 Antibody (N-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17444

Product Information

Application	WB, IHC-P
Primary Accession	Q9UQD0
Predicted	Human, Mouse, Rat, Rabbit, Monkey, Sheep, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	225280
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	6334
Alias Symbol	SCN8A
Other Names	SCN8A, CERIII, MED, PN4, Na6, NaCh6, CIAT, Dmu, EIEE13, Motor endplate disease, Nav1.6, PN4a
Target/Specificity	Recognizes endogenous levels of Nav1.6 protein.
Reconstitution & Storage	PBS, pH 7.3, 0.01% sodium azide, 30% glycerol. Store at -20°C. Aliquot to avoid freeze/thaw cycles.
Precautions	Anti-SCN8A / Nav1.6 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SCN8A (HGNC:10596)
Synonyms	MED
Function	Pore-forming subunit of a voltage-gated sodium channel complex assuming opened or closed conformations in response to the voltage difference across membranes and through which sodium ions selectively pass along their electrochemical gradient (PubMed:24874546, PubMed:25239001, PubMed:25725044, PubMed:26900580, PubMed:29726066, PubMed:33245860, PubMed:36696443, PubMed:36823201). Contributes to neuronal excitability by regulating action potential threshold and propagation (PubMed:24874546, PubMed:25239001, PubMed:25725044, PubMed:26900580, PubMed:29726066, PubMed:33245860, PubMed:36696443, PubMed:36823201).

Cellular Location	Cell membrane; Multi-pass membrane protein. Cell projection, axon {ECO:0000250|UniProtKB:Q9WTU3}. Note=Mainly localizes to the axon initial segment. {ECO:0000250|UniProtKB:Q9WTU3}
Tissue Location	Expressed in the hippocampus with increased expression in epileptic tissue compared to normal adjacent tissue (at protein level) (PubMed:28842554).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.