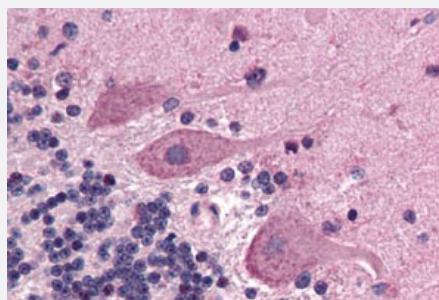


SCN1A polyclonal antibody

Catalog # PAB26052

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human brain, cerebellum with SCN1A polyclonal antibody (Cat # PAB26052).

Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SCN1A.
Immunogen	A synthetic peptide corresponding to 16 amino acids at N-terminus of human SCN1A.
Host	Rabbit
Reactivity	Chicken, Dog, Hamster, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins, except SCN2A (100%), SCN3A (94%).
Form	Liquid
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — SCN1A

Entrez GeneID	6323
Protein Accession#	P35498
Gene Name	SCN1A
Gene Alias	FEB3, GEFSP2, HBSCI, NAC1, Nav1.1, SCN1, SMEI
Gene Description	sodium channel, voltage-gated, type I, alpha subunit
Omim ID	182389 604233 604403 607208 609634
Gene Ontology	Hyperlink
Gene Summary	The vertebrate sodium channel is a voltage-gated ion channel essential for the generation and propagation of action potentials, mainly in nerve and muscle. Voltage-sensitive sodium channels are heteromeric complexes consisting of a large central pore-forming glycosylated alpha subunit, and two smaller auxiliary beta subunits. This gene encodes the large alpha subunit, and mutations in this gene have been associated with several epilepsy, convulsion and migraine disorders
Other Designations	febrile convulsions 3 sodium channel protein, brain I alpha subunit sodium channel, voltage-gated, type I, alpha sodium channel, voltage-gated, type I, alpha polypeptide

Disease

- [Epilepsies](#)
- [Epilepsy](#)
- [Fever](#)
- [Genetic Predisposition to Disease](#)
- [Mental Retardation](#)

- [Myoclonic Epilepsy](#)
- [Neurodegenerative Diseases](#)
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