

Rabbit SCN9A / Nav1.7 Polyclonal Antibody | anti-SCN9A antibody

Rabbit Polyclonal to Human SCN9A / Nav1.7

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51284	Rabbit	Human Predicted Reactivity Monkey, Mouse, Bovine, Dog, Horse, Pig, Rabbit	Immunohistochemistry

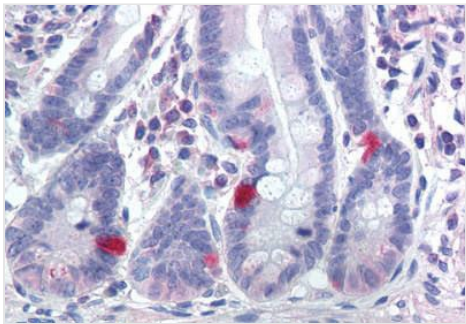
PRODUCT SYNONYMS

SCN9A / Nav1.7; Polyclonal Antibody; Rabbit Polyclonal to Human SCN9A / Nav1.7; Anti-SCN9A / Nav1.7 Antibody (Internal) IHC-plus; SCN9A; ETHA; GEFSP7; Nav1.7; HNE-Na; Peripheral sodium channel 1; PN1; SFNP; Sodium channel 25; Neuroendocrine sodium channel; FEB3B; NE-NA; NENA; Human SCN9A; anti-SCN9A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted Reactivity Monkey, Mouse, Bovine, Dog, Horse, Pig, Rabbit
Clonality	Polyclonal
Specificity	Human SCN9A / Nav1.7. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except SCN8A (71%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	1977
Applicable Applications for anti-SCN9A antibody	IHC (Immunohistochemistry)
Family/Subfamily	Ion Channel / Sodium channel - voltage-gated
Immunogen Species	Human
Antigen Type	Synthetic peptide
Immunogen	SCN9A / Nav1.7 antibody was raised against synthetic 17 amino acid peptide from internal region of human SCN9A / Nav1.7. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%); Marmoset, Mouse, Panda, Dog, Bovine, Horse, Rabbit, Pig (94%); Rat, Hamster, Bat (88%); Elephant, Platypus (82%).
Preparation and Storage	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-SCN9A / Nav1.7 antibody IHC of human small intestine, neuroendocrine cells.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-SCN9A antibody	Scn9a encodes the alpha subunit of the type IX voltage-gated sodium channel. These channels, composed of one alpha and one or two beta subunits, mediate changes in cell permeability to sodium ions that are essential for the generation of action potentials. The alpha subunit alone can generate a functional channel in vitro >, but it's kinetic properties are modulated by beta subunits. The type IX channel is tetrodotoxin sensitive and is believed to function in hyperexcitability induced pain.
Product Categories/Family for anti-SCN9A antibody	Family: Ion Channel; Subfamily: Sodium channel - voltage-gated

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506813
NCBI GeneID	6335
NCBI Accession #	NP_002968.1
NCBI GenBank Nucleotide #	NM_002977.3
UniProt Accession #	Q15858; Q6B4R9; Q6B4S0; Q6B4S1; Q70HX1; Q70HX2; Q8WTU1; Q8WWN4; A1BUH5
Molecular Weight	225,227 Da
NCBI Official Full Name	sodium channel protein type 9 subunit alpha
NCBI Official Synonym Full Names	sodium channel, voltage-gated, type IX, alpha subunit
NCBI Official Symbol	SCN9A
NCBI Official Synonym Symbols	PN1; ETHA; NENA; SFNP; FEB3B; NE-NA; GEFSP7; HSAN2D; Nav1.7
NCBI Protein Information	sodium channel protein type 9 subunit alpha; hNE-Na; peripheral sodium channel 1; neuroendocrine sodium channel; sodium channel protein type IX subunit alpha; voltage-gated sodium channel alpha subunit Nav1.7; voltage-gated sodium channel subunit alpha Nav1.7; sodium channel, voltage-gated, type IX, alpha polypeptide
UniProt Protein Name	Sodium channel protein type 9 subunit alpha
UniProt Gene Name	SCN9A
UniProt Synonym Gene Names	NENA; hNE-Na; PN1
UniProt Entry Name	SCN9A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

