

Rabbit Nav1.1 Polyclonal Antibody | anti-SCN1A antibody

Anti-Nav1.1 Antibody

CATALOG # AAA17829	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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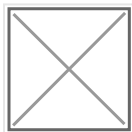
PRODUCT SYNONYMS

Nav1.1; Polyclonal Antibody; Anti-Nav1.1 Antibody; SCN1A; NAC1; SCN1; Sodium channel protein type 1 subunit alpha; Sodium channel protein brain I subunit alpha; Sodium channel protein type I subunit alpha; Voltage-gated sodium channel subunit alpha Nav1.1; SCN2A; NAC2; SCN2A1; SCN2A2; Sodium channel protein type 2 subunit alpha; HBSC II; Sodium channel protein brain II subunit alpha; Sodium channel protein type II subunit alpha; Voltage-gated sodium channel subunit alpha Nav1.2; SCN3A; KIAA1356; NAC3; Sodium channel protein type 3 subunit alpha; Sodium channel protein brain III subunit alpha; Sodium channel protein type III subunit alpha; Voltage-gated sodium channel subtype III; Voltage-gated sodium channel subunit alpha Nav1.3; SCN4A; Sodium channel protein type 4 subunit alpha; SkM1; Sodium channel protein skeletal muscle subunit alpha; Sodium channel protein type IV subunit alpha; Voltage-gated sodium channel subunit alpha Nav1.4; SCN5A; Sodium channel protein type 5 subunit alpha; HH1; Sodium channel protein cardiac muscle subunit alpha; Sodium channel protein type V subunit alpha; Voltage-gated sodium channel subunit alpha Nav1.5; SCN8A; MED; Sodium channel protein type 8 subunit alpha; Sodium channel protein type VIII subunit alpha; Voltage-gated sodium channel subunit alpha Nav1.6; SCN9A; NENA; Sodium channel protein type 9 subunit alpha; Neuroendocrine sodium channel; hNE-Na; Peripheral sodium channel 1; PN1; Sodium channel protein type IX subunit alpha; Voltage-gated sodium channel subunit alpha Nav1.7; SCN10A; Sodium channel protein type 10 subunit alpha; Peripheral nerve sodium channel 3; PN3; hPN3; Sodium channel protein type X subunit alpha; Voltage-gated sodium channel subunit alpha Nav1.8; SCN11A; SCN12A; SNS2; Sodium channel protein type 11 subunit alpha; Peripheral nerve sodium channel 5; PN5; Sensory neuron sodium channel 2; Sodium channel protein type XI subunit alpha; Voltage-gated sodium channel subunit alpha Nav1.9; hNaN; anti-SCN1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of Nav1.1 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	2009
Applicable Applications for anti-SCN1A antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1:500 - 1:1000 IHC: 1:100 - 1:200
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Nav1.1. The exact sequence is proprietary.
Preparation and Storage	Upon receipt, aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of Nav1.1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)
Western blot analysis of Nav1.1 expression in SHSY5Y (A), mouse brain (B), PC12 (C) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-SCN1A antibody	Rabbit polyclonal antibody to Nav1.1
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260166633
NCBI GeneID	Entrez Gene (Human): 6323; 6326; 6328; 6329; 6331; 6334; 6335; 6336; 11280 Entrez Gene (Mouse) : 110880 Entrez Gene (Rat) : 81574; 24766; 497770; 25722
NCBI Accession #	NP_001159435.1
NCBI GenBank Nucleotide #	NM_001165963.1
UniProt Accession #	P35498; Q16172; Q585T7; Q8IUJ6; Q96LA3; Q9C008; E9PG49
NCBI Official Full Name	sodium channel protein type 1 subunit alpha isoform 1
NCBI Official Synonym Full Names	sodium channel, voltage-gated, type I, alpha subunit
NCBI Official Symbol	SCN1A
NCBI Official Synonym Symbols	FEB3; FHM3; NAC1; SCN1; SMEI; EIEE6; FEB3A; HBSCI; GEFSP2; Nav1.1
NCBI Protein Information	sodium channel protein type 1 subunit alpha; sodium channel protein type I subunit alpha; sodium channel protein, brain I alpha subunit; sodium channel voltage gated type 1 alpha subunit; voltage-gated sodium channel subunit alpha Nav1.1; sodium channel, voltage-gated, type I, alpha polypeptide
UniProt Protein Name	Sodium channel protein type 1 subunit alpha
UniProt Gene Name	SCN1A
UniProt Synonym Gene Names	NAC1; SCN1
UniProt Entry Name	SCN1A_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nav11-antibody-western-blot-immunohistochemistry-elisa/17829>