

Product Data Sheet

Nav1.1 Blocking Peptide

Catalog #	Source	Reactivity	Applications
CBP2048	Synthetic	H, M, R	BL
Description	The peptide is used to block Anti-Nav1.1 Antibody (#CPA2048) reactivity.		
Form	Lyophilized powder		
Gene Symbol	SCN1A; SCN2A; SCN3A; SCN4A; SCN5A; SCN8A; SCN9A; SCN10A; SCN11A		
Alternative Names	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;		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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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 6323, 6326, 6328, 6329, 6331, 6334, 6335, 6336, 11280 (Human); 110880 (Mouse); 81574, 24766, 497770, 25722 (Rat)

Entrez Gene

SwissProt

P35498, Q99250, Q9NY46, P35499, Q14524, Q9UQD0, Q15858, Q9Y5Y9, Q9UI33 (Human); Q9ER60 (Mouse); P04774, P04775, P08104, P15390 (Rat)

Purity

>85%

Quality Control

The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.

Directions for Use

Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4°C for overnight or at room temperature for 2 hours.

Storage/Stability

Shipped at 4°C. Store at -20°C for one year.

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