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# anti-SCN8A antibody (Middle Region)

2 Images



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#### Overview

Quantity:	100 μL
Target:	SCN8A
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCN8A antibody is un-conjugated
Application:	Western Blotting (WB)

### **Product Details**

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SCN8A
Sequence:	ESDPEGSKDK LDDTSSSEGS TIDIKPEVEE VPVEQPEEYL DPDACFTEGC
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against SCN8A. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

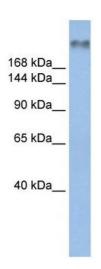
Target:	SCN8A		

Target Details		
Alternative Name:	SCN8A (SCN8A Products)	
Background:	Voltage-dependent sodium channels, such as SCN8A, are responsible for the initial membrane	
	depolarization that occurs during generation of action potentials in most electrically excitable	
	cells.	
	Alias Symbols: CerIII, MED, NaCh6, Nav1.6, PN4, CIAT, CERIII	
	Protein Interaction Partner: NEDD4, MAPK14, FGF13, GNA01,	
	Protein Size: 1980	
Molecular Weight:	225 kDa	
Gene ID:	6334	
NCBI Accession:	NM_014191, NP_055006	
UniProt:	Q9UQD0	
Pathways:	Sensory Perception of Sound	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 1980 AA	

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Restrictions:	For Research Use only		

## Handling

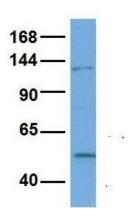
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freeze-thaw cycles.	
Storage:	-20 °C	
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.	



#### **Western Blotting**

Image 1. WB Suggested Anti-SCN8A Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Muscle

# SCN8A



#### **Western Blotting**

**Image 2.** Host: Rabbit Target Name: SCN8A Sample Type: NCI-H226 Antibody Dilution: 1.0ug/ml SCN8A is supported by BioGPS gene expression data to be expressed in NCIH226