



# Anti-SCN11A (N-terminal) polyclonal antibody (CABT-BL3254)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide derived from N terminal squence of human SCN11A.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Whole antiserum
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, IHC-P, IHC-Fr, WB
<b>Cellular Localization</b>	Membrane; Multipass membrane protein.
<b>Format</b>	Liquid
<b>Size</b>	200 µl
<b>Buffer</b>	Whole serum
<b>Preservative</b>	None
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

## BACKGROUND

**Introduction** Voltage-gated sodium channels are membrane protein complexes that play a fundamental role

in the rising phase of the action potential in most excitable cells. Alpha subunits, such as SCN11A, mediate voltage-dependent gating and conductance, while auxiliary beta subunits regulate the kinetic properties of the channel and facilitate membrane localization of the complex. Aberrant expression patterns or mutations of alpha subunits underlie a number of disorders. Each alpha subunit consists of 4 domains connected by 3 intracellular loops; each domain consists of 6 transmembrane segments and intra- and extracellular linkers.

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## GENE INFORMATION

Entrez Gene ID	<a href="#">11280</a>
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Protein Refseq	<a href="#">NP_054858</a>
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UniProt ID	<a href="#">Q9UI33</a>
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