

Anti-SCN11A antibody ab65160

1 References

製品の概要

製品名	Anti-SCN11A antibody
製品の詳細	Rabbit polyclonal to SCN11A
由来種	Rabbit
アプリケーション	適用あり: IHC-Fr, IHC-P, ICC/IF, WB
種交差性	交差種: Human
免疫原	Synthetic peptide derived from N terminal squence of human SCN11A.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
バッファー	Constituent: Whole serum
精製度	Whole antiserum
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab65160の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-Fr		
IHC-P		
ICC/IF		
WB		

追加情報

ICC/IF: Use at an assay dependent dilution (PMID 19607678).
IHC-P: Use at an assay dependent dilution.
IHC-Fr: Use at an assay dependent dilution.
WB: 1/1000 - 1/5000. Predicted molecular weight: 205 kDa.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

機能

This protein mediates the voltage-dependent sodium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a sodium-selective channel through which sodium ions may pass in accordance with their electrochemical gradient. It is a tetrodotoxin-resistant sodium channel isoform. Also involved, with the contribution of the receptor tyrosine kinase NTRK2, in rapid BDNF-evoked neuronal depolarization.

組織特異性

Expressed in the dorsal root ganglia and trigeminal ganglia, olfactory bulb, hippocampus, cerebellar cortex, spinal cord, spleen, small intestine and placenta.

関連疾患

Neuropathy, hereditary sensory and autonomic, 7
Episodic pain syndrome, familial, 3

配列類似性

Belongs to the sodium channel (TC 1.A.1.10) family. Nav1.9/SCN11A subfamily.

ドメイン

The sequence contains 4 internal repeats, each with 5 hydrophobic segments (S1,S2,S3,S5,S6) and one positively charged segment (S4). Segments S4 are probably the voltage-sensors and are characterized by a series of positively charged amino acids at every third position.

翻訳後修飾

Phosphorylation at Ser-1341 by PKC in a highly conserved cytoplasmic loop slows inactivation of the sodium channel and reduces peak sodium currents.

細胞内局在

Membrane.

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