


Anti-Nav1.7 antibody [N68/6] ab85015

★★★★☆ **1 Abreviews** **9 References** 画像数 **2**

製品の概要

製品名	Anti-Nav1.7 antibody [N68/6]
製品の詳細	Mouse monoclonal [N68/6] to Nav1.7
由来種	Mouse
特異性	Some customers have used this antibody successfully in rat, however our latest tests were unsuccessful and therefore we can no longer guarantee the reactivity of this species.
アプリケーション	適用あり: IHC-P 適用なし: Flow Cyt
種交差性	交差種: Mouse 交差が予測される動物種: Rat, Human 
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P: Mouse dorsal root ganglion tissue; Mouse back skin tissue.
特記事項	<p>The clone number has been updated from S68-6 to N68/6, both clone numbers name the same antibody clone.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <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 or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide

	Constituent: PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	N68/6
アイソタイプ	IgG1
軽鎖の種類	kappa

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ab85015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-P		Use a concentration of 1 - 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

追加情報 Is unsuitable for Flow Cyt.

ターゲット情報

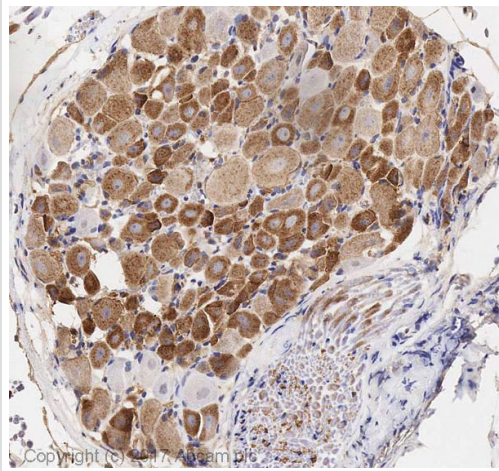
機能	Mediates the voltage-dependent sodium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a sodium-selective channel through which Na(+) ions may pass in accordance with their electrochemical gradient (PubMed:7720699, PubMed:17167479, PubMed:25240195, PubMed:26680203, PubMed:15385606, PubMed:16988069, PubMed:17145499, PubMed:19369487, PubMed:24311784). It is a tetrodotoxin-sensitive Na(+) channel isoform (PubMed:7720699). Plays a role in pain mechanisms, especially in the development of inflammatory pain (PubMed:17167479, PubMed:17145499, PubMed:19369487, PubMed:24311784).
組織特異性	Expressed strongly in dorsal root ganglion, with only minor levels elsewhere in the body, smooth muscle cells, MTC cell line and C-cell carcinoma. Isoform 1 is expressed preferentially in the central and peripheral nervous system. Isoform 2 is expressed preferentially in the dorsal root ganglion.
関連疾患	Primary erythralgia Indifference to pain, congenital, autosomal recessive Paroxysmal extreme pain disorder Generalized epilepsy with febrile seizures plus 7 Febrile seizures, familial, 3B
配列類似性	Belongs to the sodium channel (TC 1.A.1.10) family. Nav1.7/SCN9A subfamily. Contains 1 IQ domain.
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-1490 by PKC in a highly conserved cytoplasmic loop increases peak sodium currents.

Ubiquitinated by NEDD4L; which may promote its endocytosis. Does not seem to be ubiquitinated by NEDD4.

細胞内局在

Cell membrane. Cell projection. In neurite terminals.

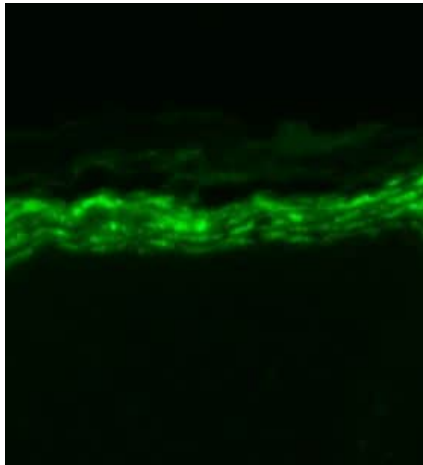
画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nav1.7 antibody [N68/6] (ab85015)

IHC image of Nav1.7 staining in mouse dorsal root ganglion formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab85015, 1µg/ml, for 15 mins 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.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nav1.7 antibody [N68/6] (ab85015)

ab85015 at 1/100 dilution staining Nav1.7 in mouse back skin tissue section by IHC-P. Bouin's fixed and paraffin-embedded tissue sections were used. Tissue underwent heat mediated antigen retrieval in microwave with two, 5 minutes incubation intervals in citrate buffer. A Fluorophore conjugated goat anti mouse at 1/50 dilution was used as secondary.

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