

Anti-KCNT1/SLACK antibody [N3/26] ab94578

★★★★★ [1 Abreviews](#) [2 References](#) [画像数 3](#)

製品の概要

製品名	Anti-KCNT1/SLACK antibody [N3/26]
製品の詳細	Mouse monoclonal [N3/26] to KCNT1/SLACK
由来種	Mouse
特異性	Detects ~140kDa. Weak human detection. Does not cross-react with KCNT2/Slo2.1/Slick.
アプリケーション	適用あり: ICC/IF, IHC-Fr, Flow Cyt, WB, IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Recombinant fragment within Rat KCNT1/SLACK aa 1150 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <u>contact</u> our Scientific Support team to discuss your requirements. Database link: Q9Z258
ポジティブ・コントロール	Flow Cyt: SH-SY5Y cells. WB: Rat brain lysate.
特記事項	<p>The clone number has been updated from S3-26 to N3/26, both clone numbers name the same antibody clone.</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>

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製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル

クローン名	N3/26
アイソタイプ	IgG1

アプリケーション

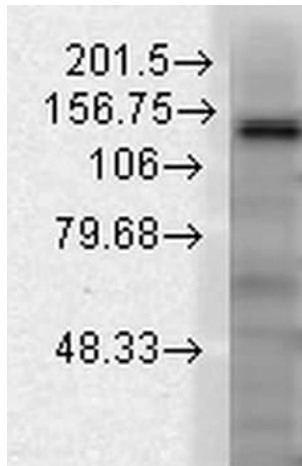
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab94578の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	1/1000. Predicted molecular weight: 137 kDa.
IHC-P		1/1000.

ターゲット情報

機能	Outwardly rectifying potassium channel subunit that may co-assemble with other Slo-type channel subunits. Activated by high intracellular sodium or chloride levels. Activated upon stimulation of G-protein coupled receptors, such as CHRM1 and GRIA1. May be regulated by calcium in the absence of sodium ions (in vitro).
組織特異性	Highest expression in liver, brain and spinal cord. Lowest expression in skeletal muscle.
配列類似性	Belongs to the potassium channel family. Calcium-activated (TC 1.A.1.3) subfamily. KCa4.1/KCNT1 sub-subfamily. Contains 1 RCK N-terminal domain.
翻訳後修飾	Phosphorylated by protein kinase C. Phosphorylation of the C-terminal domain increases channel activity.
細胞内局在	Cell membrane.

画像



Western blot - Anti-KCNT1/SLACK antibody [N3/26] (ab94578)

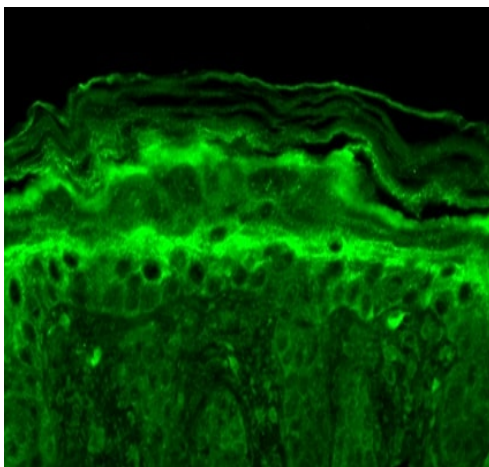
Anti-KCNT1/SLACK antibody [N3/26] (ab94578) at 1/1000 dilution
+ Rat brain lysate at 15 µg

Secondary

HRP-conjugated sheet anti-mouse IgG

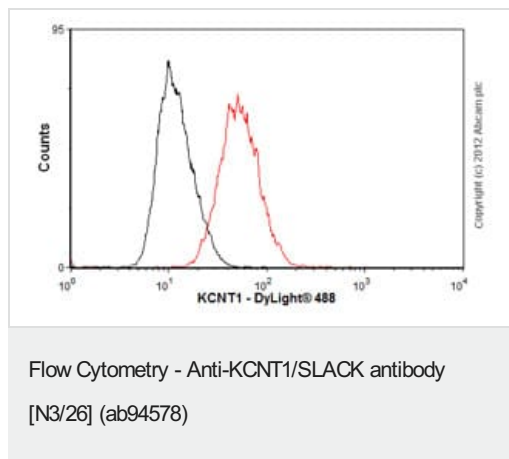
Predicted band size: 137 kDa

Membrane was blocked with 1.5% BSA for 30 minutes at room temperature. Primary antibody was incubated for 2 hours at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KCNT1/SLACK antibody [N3/26] (ab94578)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of mouse backskin staining KCNT1/SLACK with ab94578 at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Overlay histogram showing SH-SY5Y cells stained with ab94578 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab94578, 1 µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 2 µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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