

Product datasheet

Anti-NISCH antibody ab56849

3 References [画像数 3](#)

製品の概要

製品名	Anti-NISCH antibody
製品の詳細	Mouse monoclonal to NISCH
由来種	Mouse
アプリケーション	適用あり: ICC/IF, WB, Flow Cyt
種交差性	交差種: Human
免疫原	Recombinant fragment: LTGSTPMQVV TCLTRDSYLT HCFLQHLMVV LSSLERTPSP EPVDKDFYSE FGNKTTGKME NYELIHSSRV KFTYPSEEEI GDLTFTVAQK MAEPEKAPAL , corresponding to amino acids 1246-1346 of Human NISCH Run BLAST with ExPASy Run BLAST with NCBI
ポジティブ・コントロール	ICC/IF: SKNSH cells.

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 or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: None PBS, pH 7.2
精製度	Protein G purified
ポリ/モノ	モノクローナル
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab56849** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

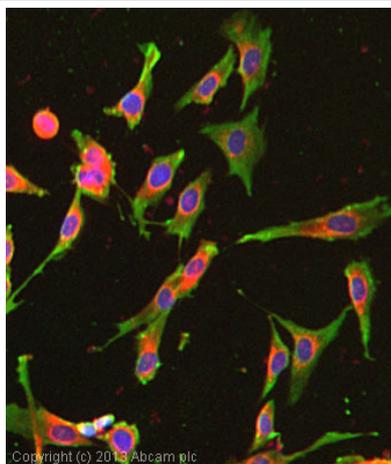
アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 10 µg/ml.
WB		Use a concentration of 1 - 5 µg/ml. This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.
Flow Cyt		Use 0.01-0.1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ターゲット情報

関連性 Mouse Nischarin (NISCH) has been shown to interact with the alpha-5 subunit of integrin and inhibit cell migration. Its human homologue (imidazoline receptor antisera-selected (IRAS)), contains an NH2-terminal extension and is a larger protein of 1504 amino acids consisting of an NH2-terminal PX domain, 5 putative leucine-rich repeats, a predicted coiled-coil domain, and a long COOH-terminal region. It has the ability to homo-oligomerize via its coiled-coil region. The PX domain of IRAS is essential for association with phosphatidylinositol 3-phosphate-enriched endosomal membranes. NISCH may serve as a functional imidazoline I1-receptor.

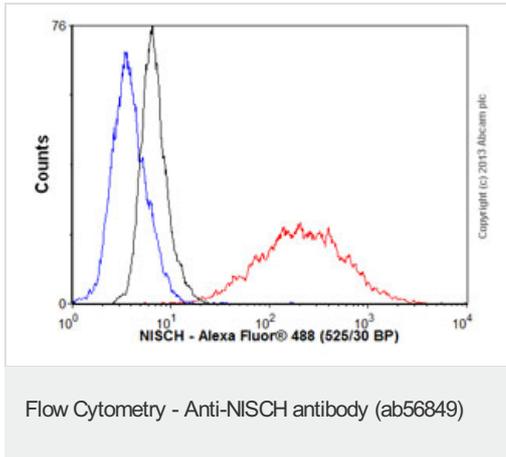
細胞内局在 Cell membrane. Cytoplasm. Early endosome. Recycling endosome.

画像

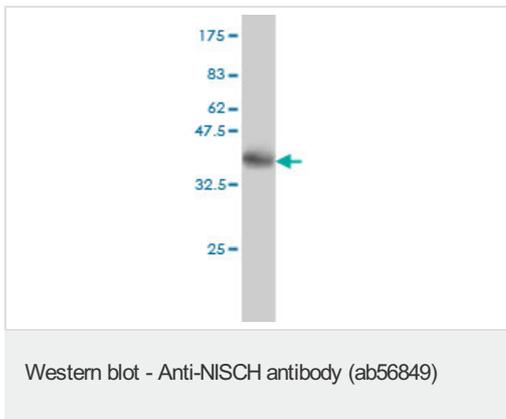


Immunocytochemistry/ Immunofluorescence - Anti-NISCH antibody (ab56849)

ICC/IF image of ab56849 stained SKNSH cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab56849, 10µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96879](#), DyLight® 488 goat anti-mouse IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Overlay histogram showing SHSY-5Y cells stained with ab56849 (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 (ab56849, 0.1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) (ab150113) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in SHSY-5Y cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Western blot against tagged recombinant protein immunogen using ab56849 NISCH antibody at 1µg/ml. Predicted band size of immunogen is 37 kDa

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