


### Anti-SNX27 antibody [1C6] ab77799

★★★★★ **10 Abreviews**   **38 References**   画像数 4

#### 製品の概要

製品名	Anti-SNX27 antibody [1C6]
製品の詳細	Mouse monoclonal [1C6] to SNX27
由来種	Mouse
アプリケーション	<b>適用あり:</b> Flow Cyt (Intra), WB, IP, ICC/IF
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Monkey  <b>非交差種:</b> Mouse
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
エピトープ	N-terminal amino acids 1-267.
ポジティブ・コントロール	This antibody gave a positive signal in the following whole cell lysates: HeLa; A431; HEK293; A549; MDA-MB-231. ICC/IF: Jurkat cells
特記事項	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</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&amp;As</p>

#### 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	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine
精製度	Protein G purified
ポリ/モノ	モノクローナル

クローン名	1C6
ミエローマ	Sp2/0
アイソタイプ	IgG1

## アプリケーション

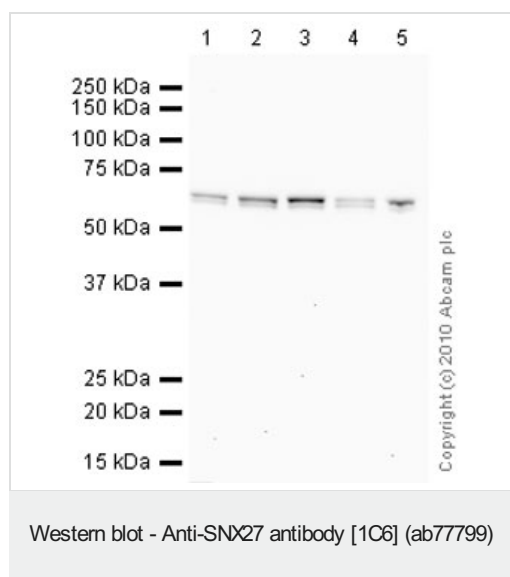
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab77799の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use 0.1-1µg for 10 <sup>6</sup> cells. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (6)	Use a concentration of 10 µg/ml. Detects a band of approximately 61 kDa (predicted molecular weight: 61 kDa). Abcam recommends using 3% milk as the blocking agent.
IP		Use at an assay dependent concentration.
ICC/IF	★★★★★ (4)	Use a concentration of 5 µg/ml.

## ターゲット情報

機能	Involved in endocytic trafficking (By similarity). In T lymphocytes, participates in endocytic recycling pathway. Recruits PSCDBP and HT4R to early endosomes.
組織特異性	Expressed in cells of hematopoietic origin (at protein level).
配列類似性	Belongs to the sorting nexin family. Contains 1 PDZ (DHR) domain. Contains 1 PX (phox homology) domain. Contains 1 Ras-associating domain.
ドメイン	The PDZ domain mediates the interaction with DGKZ, PSCDBP and HT4R and is responsible for vesicular localization.
細胞内局在	Cytoplasm > cytosol. Early endosome. In T-lymphocytes, recruited from the cytosol to sorting endosomes by phosphoinositide-3-kinase products.

## 画像



**All lanes** : Anti-SNX27 antibody [1C6] (ab77799) at 1 µg/ml

**Lane 1** : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 2** : A431 (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 3** : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

**Lane 4** : A549 (Human lung adenocarcinoma epithelial cell line) Whole Cell Lysate

**Lane 5** : MDA-MB-231 (Human breast adenocarcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

## Secondary

**All lanes** : Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

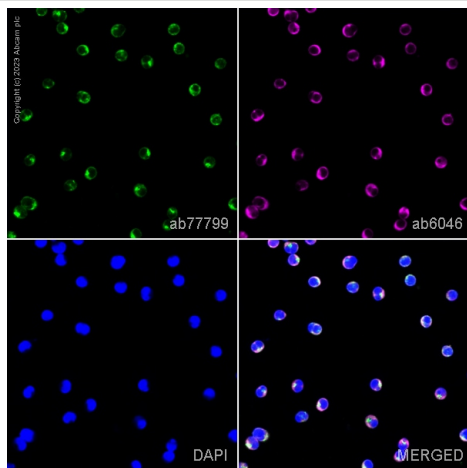
**Predicted band size:** 61 kDa

**Observed band size:** 61 kDa

**Exposure time:** 15 minutes

**Blocking:** 5% Milk in TBS-T.

Two bands are observed very close together, at around 60-kDa. There are four reported isoforms of the SNX27 protein (Swissprot). We hypothesise that this antibody detects both isoform 1 and isoform 2, which are 61-kDa and 60-kDa respectively. As the immunogen is derived from the N-terminal region of SNX27, the antibody is not expected to react with isoforms 3 or 4.

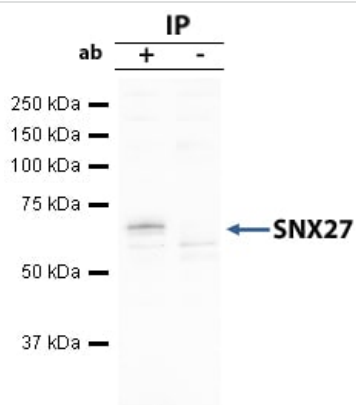


Immunocytochemistry/ Immunofluorescence - Anti-SNX27 antibody [1C6] (ab77799)

Flow Cytometry (Intracellular) - Anti-SNX27 antibody [1C6] (ab77799)

ab77799 staining SNX27 in Jurkat cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab77799 at 5µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue). Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.

Overlay histogram showing Jurkat cells stained with ab77799 (red line). The cells were fixed with 80% methanol (5 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 (ab77799, 1µg/1x10<sup>6</sup> 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**, 2µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in Jurkat cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Immunoprecipitation - Anti-SNX27 antibody [1C6] (ab77799)

SNX27 was immunoprecipitated using 0.5mg Hek293 whole cell extract, 5µg of Mouse monoclonal to SNX27 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-). The antibody was incubated under agitation with Protein G beads for 10min, Hek293 whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation. Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab77799. Secondary: Goat polyclonal to mouse IgG light chain specific (HRP) at 1/5000 dilution.

Band: 61kDa: SNX27.

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