

### Anti-Annexin V/ANXA5 antibody [1F4-1A5] ab54775

★★★★★ [7 Abreviews](#) [20 References](#) [画像数 7](#)

#### 製品の概要

製品名	Anti-Annexin V/ANXA5 antibody [1F4-1A5]
製品の詳細	Mouse monoclonal [1F4-1A5] to Annexin V/ANXA5
由来種	Mouse
アプリケーション	<b>適用あり:</b> IP, WB, ICC/IF, IHC-P, Flow Cyt
種交差性	<b>交差種:</b> Human
免疫原	Recombinant full length protein corresponding to Human Annexin V/ANXA5 aa 1-321.
特記事項	<p>This product was changed from ascites to tissue culture supernatant on 22/03/2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</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 Constituent: PBS
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	1F4-1A5
アイソタイプ	IgG1
軽鎖の種類	kappa

## アプリケーション

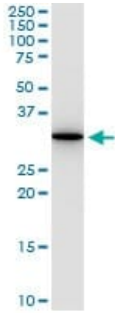
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab54775の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP		Use at an assay dependent concentration.
WB	★★★★★ (6)	Use at an assay dependent concentration. Predicted molecular weight: 36 kDa.
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol.
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## ターゲット情報

機能	This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.
関連疾患	Pregnancy loss, recurrent, 3
配列類似性	Belongs to the annexin family. Contains 4 annexin repeats.
ドメイン	The [IL]-x-C-x-x-[DE] motif is a proposed target motif for cysteine S-nitrosylation mediated by the iNOS-S100A8/A9 transnitrosylase complex. A pair of annexin repeats may form one binding site for calcium and phospholipid.
翻訳後修飾	S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.

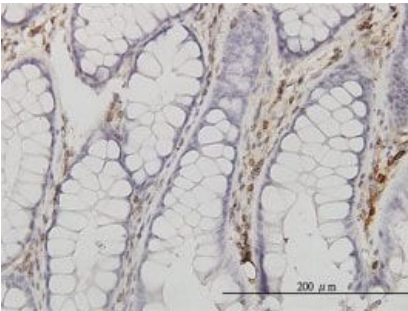
## 画像



Western blot - Anti-Annexin V/ANXA5 antibody  
[1F4-1A5] (ab54775)

ab54775 Western Blot analysis of ANXA5/ANXA5 expression in HeLa cells.

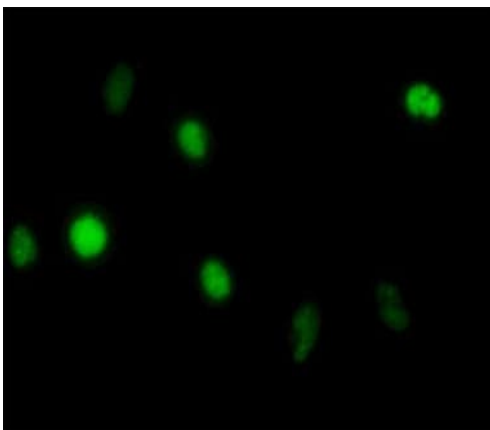
This image was generated using the ascites version of the product.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin V/ANXA5 antibody [1F4-1A5] (ab54775)

Annexin V/ANXA5 antibody (ab54775) used in immunohistochemistry at 3ug/ml on formalin fixed and paraffin embedded human colon.

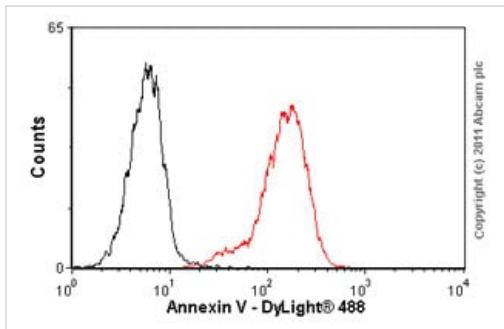
This image was generated using the ascites version of the product.



Immunocytochemistry/ Immunofluorescence - Anti-Annexin V/ANXA5 antibody [1F4-1A5] (ab54775)

ab54775 at 10 ug/ml staining Annexin V/ANXA5 in human HeLa cells by Immunocytochemistry / Immunofluorescence.

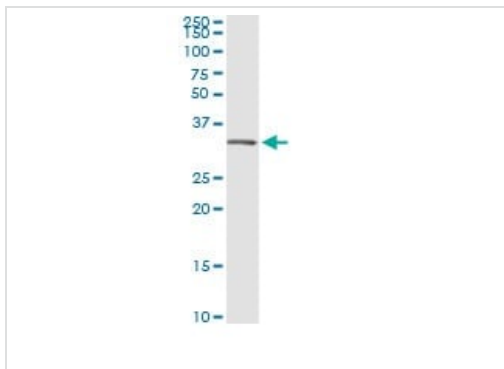
This image was generated using the ascites version of the product.



Flow Cytometry - Anti-Annexin V/ANXA5 antibody [1F4-1A5] (ab54775)

Overlay histogram showing HeLa cells stained with ab54775 (red line). The cells were fixed with 100% 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 (ab54775, 1 $\mu$ g/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 [CIGG1] ([ab91353](#), 2 $\mu$ g/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 4% paraformaldehyde (10 min)/permeabilized in 0.1% PBS-Tween used under the same conditions.

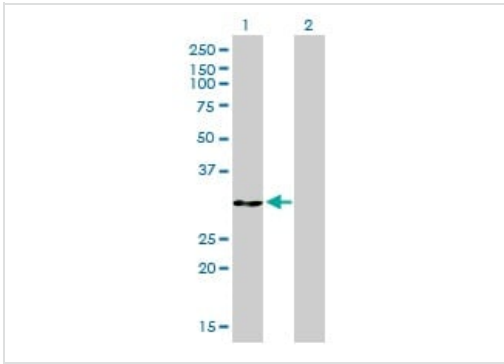
This image was generated using the ascites version of the product.



Immunoprecipitation - Anti-Annexin V/ANXA5 antibody [1F4-1A5] (ab54775)

Immunoprecipitation of ANXA5 transfected lysate using ab54775 monoclonal antibody and Protein A Magnetic Bead and immunoblotted with a ANXA5 rabbit polyclonal antibody.

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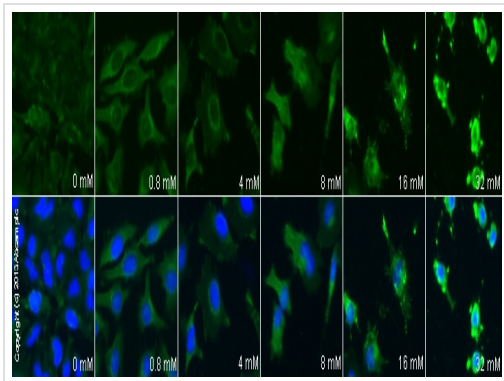
Western blot - Anti-Annexin V/ANXA5 antibody  
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Western Blot analysis of ANXA5 expression in transfected 293T cell line by ab54775.

Lane 1: ANXA5 transfected lysate(35.9 KDa).

Lane 2: Non-transfected lysate.

This image was generated using the ascites version of the product.



Immunocytochemistry/ Immunofluorescence - Anti-Annexin V/ANXA5 antibody [1F4-1A5] (ab54775)

ab54775 staining Annexin V/ANXA5 in HeLa cells treated with pentoxifylline (**ab120725**), by ICC/IF. Increase of Annexin V/ANXA5 correlates with increased concentration of pentoxifylline, as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of **ab120725** (pentoxifylline) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with ab54775 (10 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-mouse polyclonal antibody (**ab96879**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

This image was generated using the ascites version of the product.

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