

### Anti-Annexin V/ANXA5 antibody [EPR3979] ab108321

KO 評価済 リコンビナント RabMAb

★★★★☆ 4 Abreviews 4 References 画像数 4

#### 製品の概要

製品名	Anti-Annexin V/ANXA5 antibody [EPR3979]
製品の詳細	Rabbit monoclonal [EPR3979] to Annexin V/ANXA5
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P 適用なし: Flow Cyt or IP
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	HeLa, JAR, and fetal kidney lysates; Human gastric tissue
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a> .

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR3979
アイソタイプ	IgG

## 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ab108321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
WB		1/1000 - 1/10000. Predicted molecular weight: 36 kDa.
IHC-P	★★★★★ (3)	1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Perform antigen retrieval before commencing with IHC staining protocol

### 追加情報

Is unsuitable for Flow Cyt or IP.

## 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

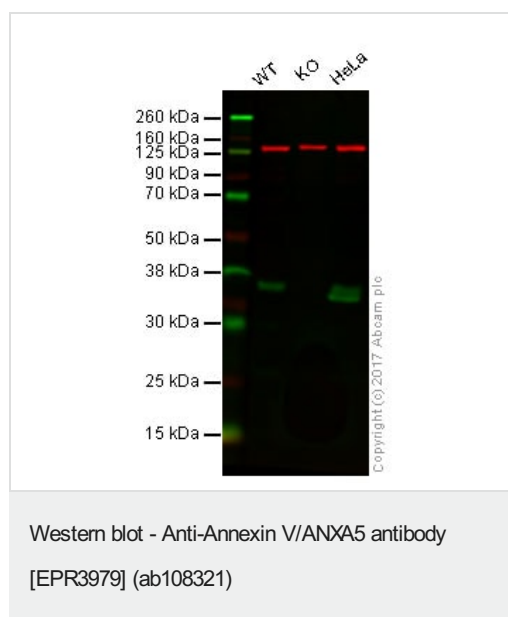
The [IL]-x-C-x-x-[DE] motif is a proposed target motif for cysteine S-nitrosylation mediated by the iNOS-S100A8/A9 transnitrosylase complex.

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



**Lane 1:** Wild-type HAP1 whole cell lysate (20 µg)

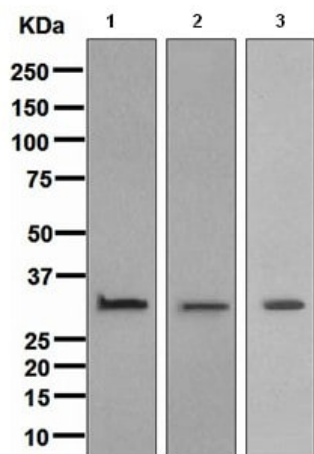
**Lane 2:** Annexin V/ANXA5 knockout HAP1 whole cell lysate (20 µg)

**Lane 3:** HeLa whole cell lysate (20 µg)

**Lanes 1 - 3:** Merged signal (red and green). Green - ab108321 observed at 35 kDa. Red - loading control, **ab18058**, observed at 130 kDa.

ab108321 was shown to specifically react with Annexin V/ANXA5 in wild-type cells as signal was lost in Annexin V/ANXA5 knockout cells. Wild-type and Annexin V/ANXA5 knockout samples were subjected to SDS-PAGE. Ab108321 and **ab18058** (Mouse anti-Vinculin loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed

**ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD)  
preabsorbed **ab216776** secondary antibodies at 1/20000 dilution  
for 1 hour at room temperature before imaging.



Western blot - Anti-Annexin V/ANXA5 antibody  
[EPR3979] (ab108321)

**All lanes** : Anti-Annexin V/ANXA5 antibody [EPR3979]  
(ab108321) at 1/1000 dilution

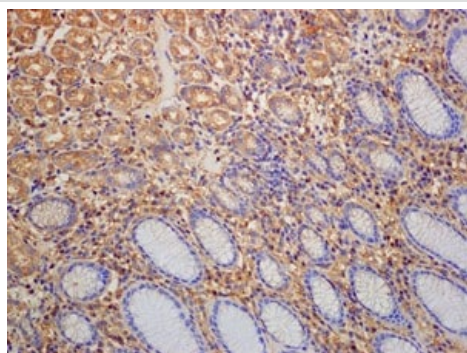
**Lane 1** : HeLa cell lysate

**Lane 2** : JAR cell lysate

**Lane 3** : fetal kidney lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 36 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-Annexin V/ANXA5  
antibody [EPR3979] (ab108321)

Immunohistochemical analysis of Annexin V/ANXA5 in paraffin  
embedded Human gastric tissue, using ab108321 at a 1/100  
dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6  
before commencing with IHC staining protocol.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Annexin V/ANXA5 antibody [EPR3979]  
(ab108321)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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