

### Anti-Annexin V/ANXA5 antibody [EPR3980] ab108194

敲除验证
重组
RabMAb

[1 Abreviews](#)
[7 References](#)
[5 图像](#)

#### 概述

产品名称	Anti-Annexin V/ANXA5抗体[EPR3980]
描述	兔单克隆抗体[EPR3980] to Annexin V/ANXA5
宿主	Rabbit
特异性	The immunogen used for this product shares 80% homology with ANXA2 and 73% homology with ANXA4. Cross-reactivity with this protein has not been confirmed experimentally.
经测试应用	适用于: WB, ICC/IF, Flow Cyt (Intra)
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Flow Cyt (Intra): HeLa cells WB: HeLa, HAP1, and Jurkat cell lysates, and Mouse brain, Mouse heart, Rat Brain, and Rat heart tissue lysates ICC: JAR (Human placenta choriocarcinoma epithelial cell) cells
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS</p>
纯度	Protein A purified

克隆	单克隆
克隆编号	EPR3980
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab108194于以下的经测试应用

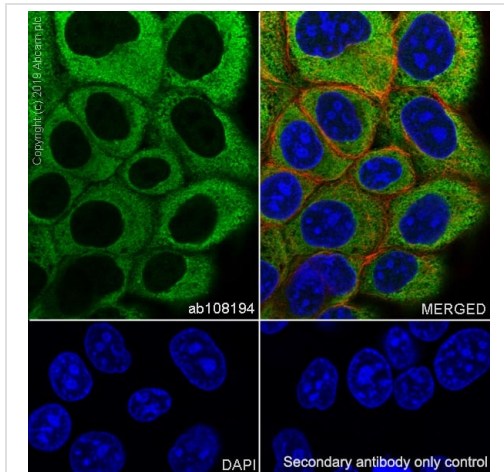
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/10000 - 1/50000. Predicted molecular weight: 36 kDa.
ICC/IF		1/50. <b>For unpurified use at 1/500 - 1/1000.</b>
Flow Cyt (Intra)		1/30. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. <b>For unpurified use at 1/100 - 1/1000.</b>

靶标

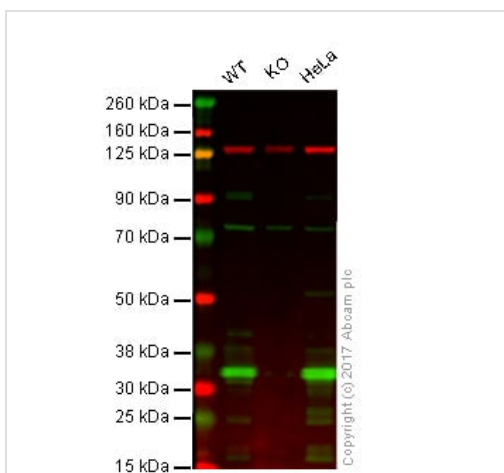
功能	This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.
疾病相关	Pregnancy loss, recurrent, 3
序列相似性	Belongs to the annexin family. Contains 4 annexin repeats.
结构域	The [IL]-x-C-x-x-[DE] motif 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.
翻译后修饰	S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.

图片



Immunocytochemistry/ Immunofluorescence - Anti-Annexin V/ANXA5 antibody [EPR3980] (ab108194)

Immunocytochemistry analysis of JAR (Human placenta choriocarcinoma epithelial cell) cells labeling Annexin V/ANXA5 with purified ab108194 at 1:50 dilution (2.2 µg/ml). Cells were fixed in 100% Methanol and permeabilized with 0.1% tritonX-100. Cells were counterstained with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 1/200 dilution (2.5 µg/ml) (**ab195889**) (red). Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as a nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-Annexin V/ANXA5 antibody [EPR3980] (ab108194)

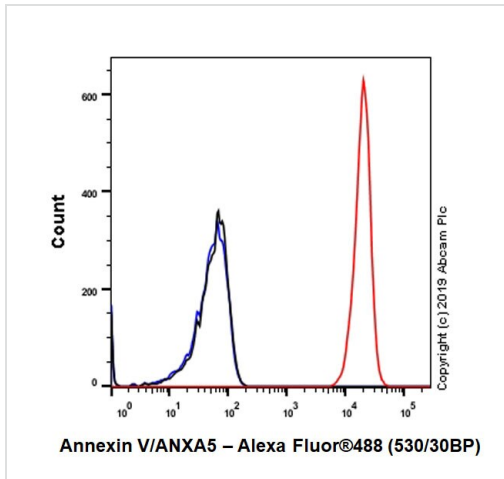
**Lane 1:** Wild-type HAP1 whole cell lysate (20 µg)

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

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

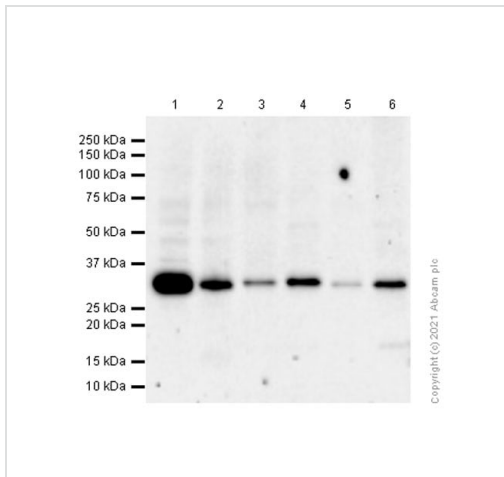
**Lanes 1 - 3:** Merged signal (red and green). Green - ab108194 observed at 35 kDa. Red - loading control, **ab18058**, observed at 130 kDa.

ab108194 was shown to recognize Annexin V in wild-type cells as signal was lost at the expected MW in Annexin V knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and Annexin V knockout samples were subjected to SDS-PAGE. Ab108194 and **ab18058** (Mouse anti-Vinculin loading control) were incubated overnight at 4°C at 1/10000 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.



Flow Cytometry (Intracellular) - Anti-Annexin  
V/ANXA5 antibody [EPR3980] (ab108194)

Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labelling Annexin V/ANXA5 with purified ab108194 at 1/30 dilution (10 µg/ml) (red). Cells were fixed with 80% Methanol and permeabilised with 0.1% Tween-20. A Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150081](#)) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (black). Unlabelled control - Cell without incubation with primary antibody and secondary antibody (blue).



**All lanes :** Anti-Annexin V/ANXA5 antibody [EPR3980]  
(ab108194) at 1/10000 dilution (Purified)

**Lane 1 :** HeLa (Human cervix adenocarcinoma epithelial cell)  
whole cell lysate

**Lane 2 :** Jurkat (Human T cell leukemia T lymphocyte) whole cell  
lysate

**Lane 3 :** Mouse brain

**Lane 4 :** Mouse heart

**Lane 5 :** Rat brain

**Lane 6 :** Rat heart

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000  
dilution

**Predicted band size:** 36 kDa

**Observed band size:** 36 kDa

### 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 [EPR3980]  
(ab108194)

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

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