


### Anti-Annexin-2/ANXA2 antibody ab41803

★★★★★ [16 Abreviews](#) [66 References](#) [5 图像](#)

#### 概述

产品名称	Anti-Annexin-2/ANXA2抗体
描述	兔多克隆抗体to Annexin-2/ANXA2
宿主	Rabbit
特异性	Replenishment batches of our polyclonal antibody, ab41803 are tested in WB. Previous batches were additionally validated in ICC/IF and IHC-P. These applications are still expected to work and are covered by our Abpromise guarantee. You may also be interested in our alternative recombinant antibody, <a href="#">ab178677</a> .
经测试应用	<b>适用于:</b> ICC/IF, WB, IHC-P
种属反应性	<b>与反应:</b> Human <b>预测可用于:</b> Mouse, Rat, Sheep, Cow, Dog, Pig, African green monkey 
免疫原	Synthetic peptide corresponding to Human Annexin-2/ANXA2 aa 150-250 conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab41802</a> )
阳性对照	WB: HeLa, HEK293, HepG2, MCF7 and SHSY-5Y whole cell lysates. ICC/IF: HeLa and MCF7 cells. IHC-P: Human breast carcinoma tissue.
常规说明	<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>

#### 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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab41803于以下的经测试应用

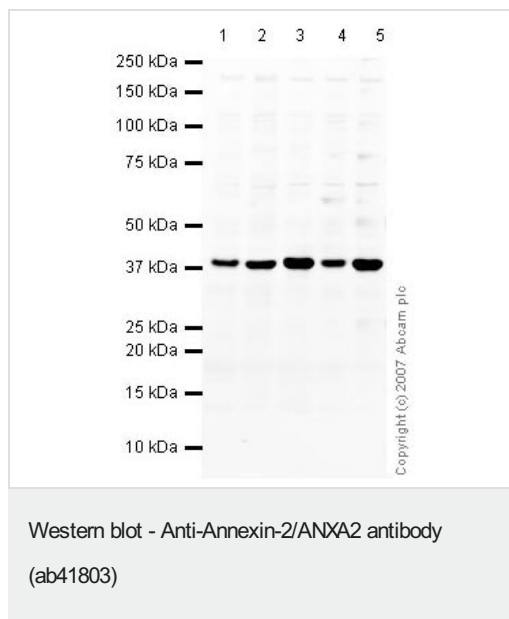
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (5)	Use a concentration of 1 - 5 µg/ml.
WB	★★★★★ (4)	Use a concentration of 1 µg/ml. Detects a band of approximately 38 kDa (predicted molecular weight: 38 kDa).
IHC-P	★★★★★ (6)	1/2000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

## 靶标

功能	Calcium-regulated membrane-binding protein whose affinity for calcium is greatly enhanced by anionic phospholipids. It binds two calcium ions with high affinity. May be involved in heat-stress response.
序列相似性	Belongs to the annexin family. Contains 4 annexin repeats.
结构域	A pair of annexin repeats may form one binding site for calcium and phospholipid.
翻译后修饰	Phosphorylation of Tyr-24 enhances heat stress-induced translocation to the cell surface. ISGylated.
细胞定位	Secreted > extracellular space > extracellular matrix > basement membrane. Melanosome. In the lamina beneath the plasma membrane. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Translocated from the cytoplasm to the cell surface through a Golgi-independent mechanism.

## 图片



**All lanes :** Anti-Annexin-2/ANXA2 antibody (ab41803) at 1 µg/ml

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

**Lane 2 :** HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

**Lane 3 :** HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

**Lane 4 :** MCF7 (Human breast adenocarcinoma cell line) Whole Cell Lysate

**Lane 5 :** SHSY-5Y (Human neuroblastoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

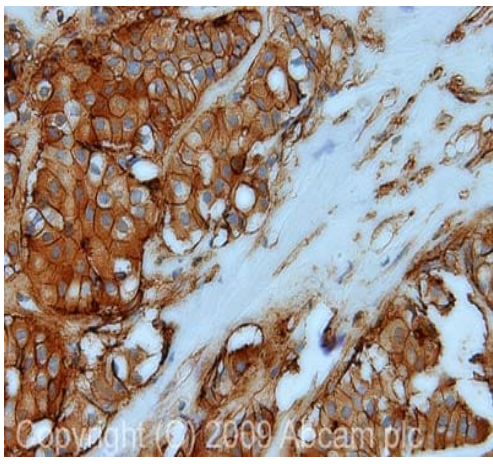
### Secondary

**All lanes :** IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Performed under reducing conditions.

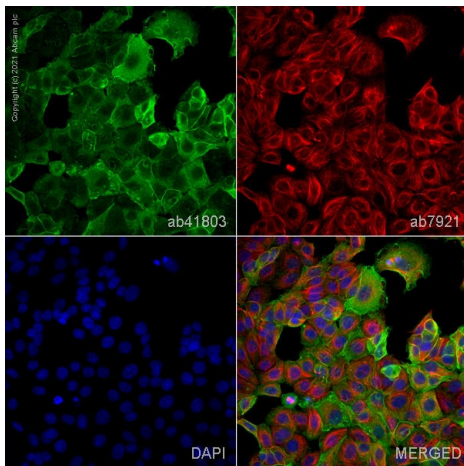
**Predicted band size:** 38 kDa

**Observed band size:** 38 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin-2/ANXA2 antibody (ab41803)

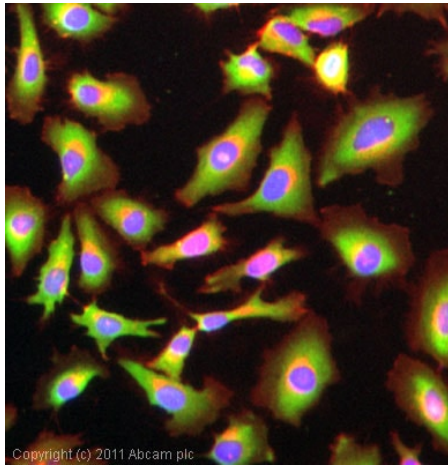
IHC image of Annexin-2/ANXA2 staining in FFPE human breast carcinoma FFPE section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab41803, 1 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



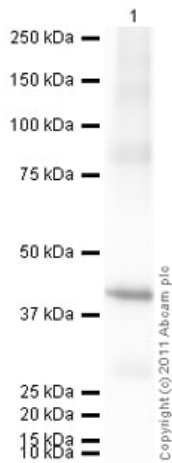
Immunocytochemistry/ Immunofluorescence - Anti-Annexin-2/ANXA2 antibody (ab41803)

ab41803 staining Annexin-2 in MCF7 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 ab41803 at 5 µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunocytochemistry/ Immunofluorescence - Anti-Annexin-2/ANXA2 antibody (ab41803)



Western blot - Anti-Annexin-2/ANXA2 antibody (ab41803)

ICC/IF image of ab41803 stained HeLa cells. The cells were 100% methanol fixed (5 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 (ab41803, 1µg/ml) overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti-rabbit IgG - H&L, pre-adsorbed (**ab96899**) 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.

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