

Anti-Annexin-4/ANXA4 antibody [EPR22929-208] ab256456

リコンビナント **RabMAb**

1 References [画像数 16](#)

製品の概要

製品名	Anti-Annexin-4/ANXA4 antibody [EPR22929-208]
製品の詳細	Rabbit monoclonal [EPR22929-208] to Annexin-4/ANXA4
由来種	Rabbit
アプリケーション	適用あり: IHC-Fr, ICC/IF, IHC-P, WB, Flow Cyt (Intra) 適用なし: IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Human kidney, liver and lung lysate. HepG2, HeLa, C6, RAW 264.7, PC-12 and NIH/3T3 lysates. Mouse liver, kidney and lung lysate. Rat kidney lysate. IHC-P: Human pancreas, kidney, endometrium, mouse and rat stomach tissue. ICC/IF: HepG2 and NIH/3T3 cells. Flow Cyt (intra): HepG2 and NIH/3T3 cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EPR22929-208
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ab256456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。

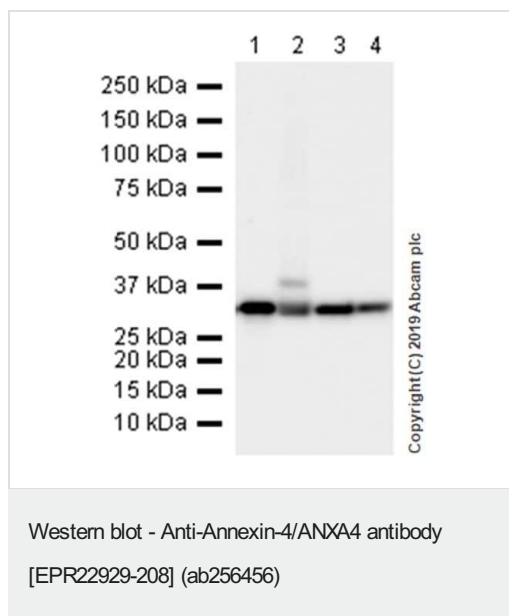
アプリケーション	Abreviews	特記事項
IHC-Fr		1/100. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
ICC/IF		1/100.
IHC-P		1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/2000. Predicted molecular weight: 35 kDa.
Flow Cyt (Intra)		1/500.

追加情報 Is unsuitable for IP.

ターゲット情報

機能	Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis.
配列類似性	Belongs to the annexin family. Contains 4 annexin repeats.
ドメイン	A pair of annexin repeats may form one binding site for calcium and phospholipid.

画像



All lanes : Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456) at 1/2000 dilution

Lane 1 : C6 (rat glial tumor glial cell) whole cell lysate

Lane 2 : RAW 264.7 (mouse abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

Lane 3 : PC-12 (rat adrenal gland pheochromocytoma) whole cell lysate

Lane 4 : NIH/3T3 (mouse embryonic fibroblast) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

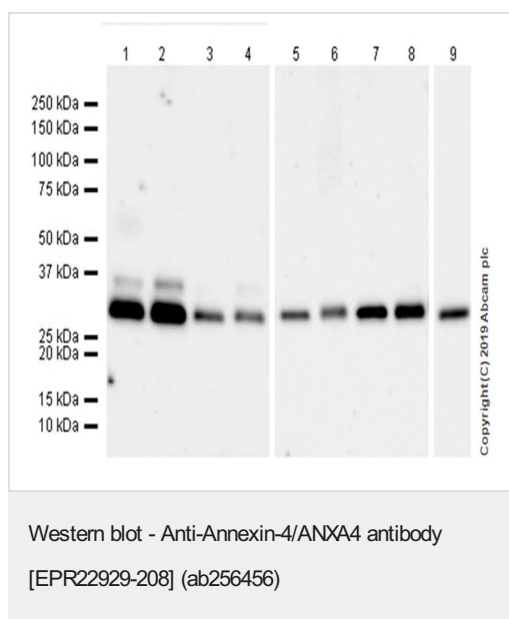
Predicted band size: 35 kDa

Observed band size: 31,36 kDa

The expression molecular weight observed is consistent with what has been described in the literature (PMID: 16893879).

Blocking/Diluting buffer and concentration: 5% NFDM/TBST.

Exposure Time: 15 seconds.



All lanes : Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456) at 1/2000 dilution

Lane 1 : Human kidney lysate

Lane 2 : Human liver lysate

Lane 3 : Human lung lysate

Lane 4 : HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysate

Lane 5 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 6 : Mouse liver lysate

Lane 7 : Mouse kidney lysate

Lane 8 : Mouse lung lysate

Lane 9 : Rat kidney lysate

Lysates/proteins at 20 µg per lane.

Secondary

Lanes 1-3 : VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at 1/1000 dilution

Lanes 4-9 : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

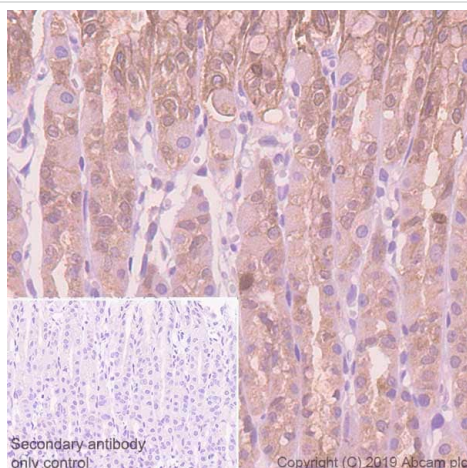
Predicted band size: 35 kDa

Observed band size: 31,36 kDa

The expression molecular weight observed is consistent with what has been described in the literature (PMID: 16893879).

Blocking/Diluting buffer and concentration: 5% NFDM/TBST.

Exposure Time: Lanes 1-4: 59 seconds; Lanes 5-8: 125 seconds; Lane 9: 10 seconds.

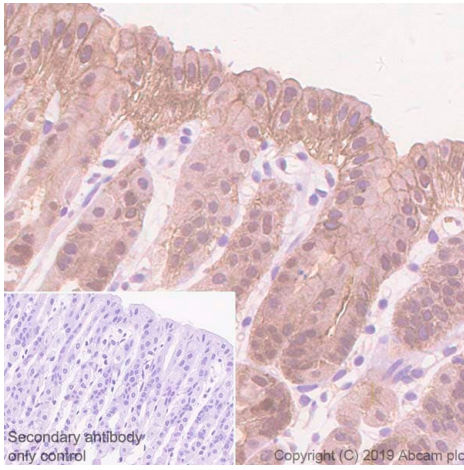


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456)

Immunohistochemical analysis of paraffin-embedded rat stomach tissue labeling Annexin-4/ANXA4 with ab256456 at 1/5000 dilution (0.103 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in rat stomach. The section was incubated with ab256456 for 10 mins at RT. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.

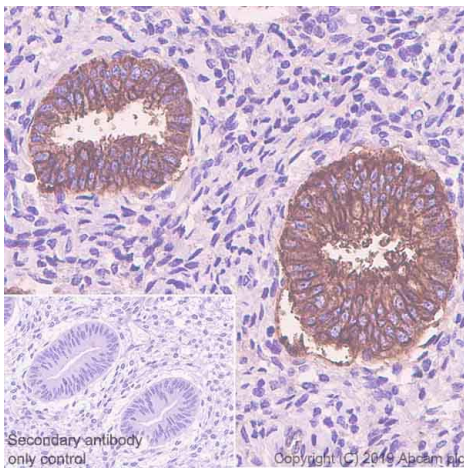


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456)

Immunohistochemical analysis of paraffin-embedded mouse stomach tissue labeling Annexin-4/ANXA4 with ab256456 at 1/5000 dilution (0.103 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in mouse stomach. The section was incubated with ab256456 for 10 mins at RT. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.

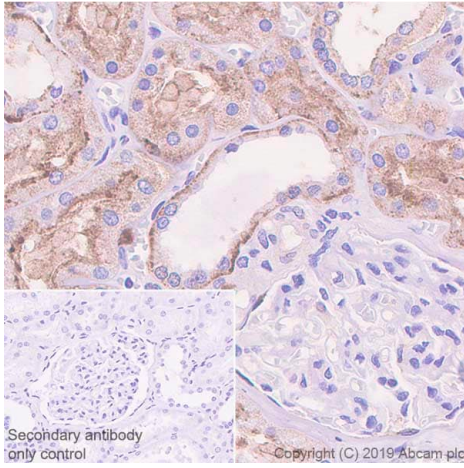


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456)

Immunohistochemical analysis of paraffin-embedded human endometrium tissue labeling Annexin-4/ANXA4 with ab256456 at 1/5000 dilution (0.103 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in human endometrium (PMID: 16954445) is observed. The section was incubated with ab256456 for 10 mins at RT. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.

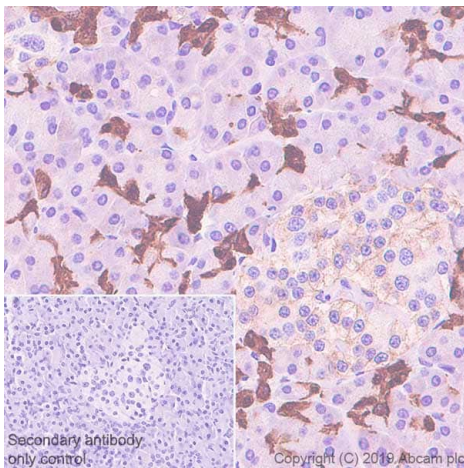


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456)

Immunohistochemical analysis of paraffin-embedded human kidney tissue labeling Annexin-4/ANXA4 with ab256456 at 1/5000 dilution (0.103 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in human kidney (PMID: 9720986) is observed. The section was incubated with ab256456 for 10 mins at RT. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.

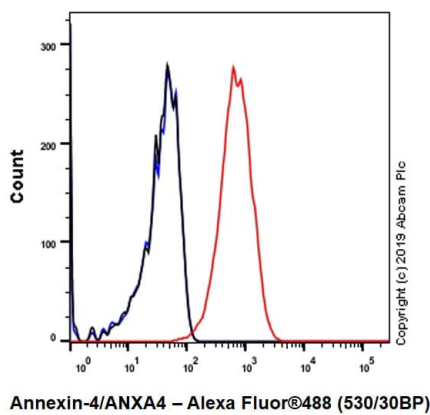


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456)

Immunohistochemical analysis of paraffin-embedded human pancreas tissue labeling Annexin-4/ANXA4 with ab256456 at 1/5000 dilution (0.103 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in centroacinar cells and islets of human pancreas. The section was incubated with ab256456 for 10 mins at RT. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

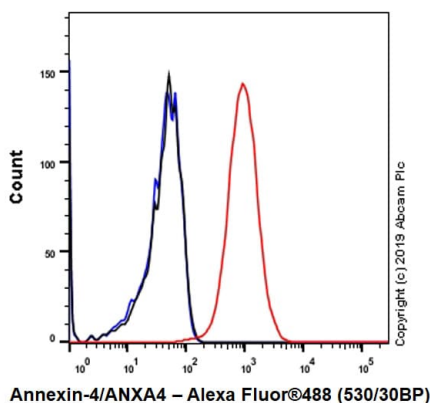
Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.



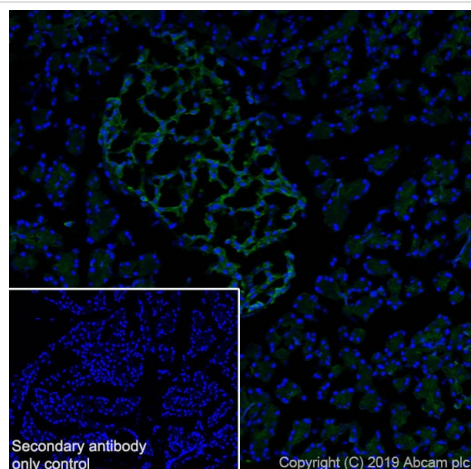
Flow Cytometry (Intracellular) - Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized NIH/3T3 (mouse embryonic fibroblast) cells labelling Annexin-4/ANXA4 with ab256456 at 1/500 dilution (Red) compared with a Rabbit monoclonal IgG ([ab172730](#)) / Black isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) at 1/2000 dilution was used as the secondary antibody.



Flow Cytometry (Intracellular) - Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456)

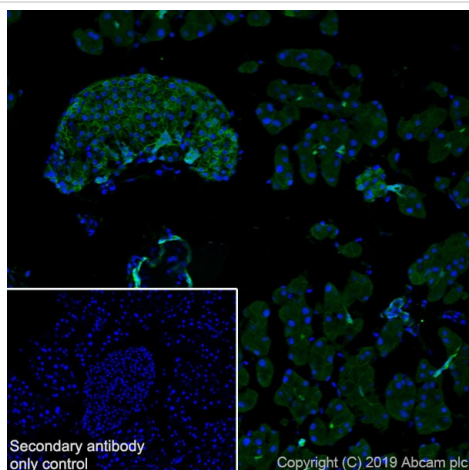
Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized HepG2 (human hepatocellular carcinoma epithelial cell) cells labelling Annexin-4/ANXA4 with ab256456 at 1/500 dilution (Red) compared with a Rabbit monoclonal IgG ([ab172730](#)) / Black isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) at 1/2000 dilution was used as the secondary antibody.



Immunohistochemistry (Frozen sections) - Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456)

Immunohistochemical analysis of frozen section of 4% PFA-fixed, 0.2% Triton X-100 permeabilized rat pancreas tissue labeling Annexin-4/ANXA4 with ab256456 at 1/100 dilution, followed by [ab150077](#) AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution (green). Positive staining on mouse pancreas (PMID: 25176043) is observed. The nuclear counter stain is DAPI (blue). Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab150077](#) AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution.

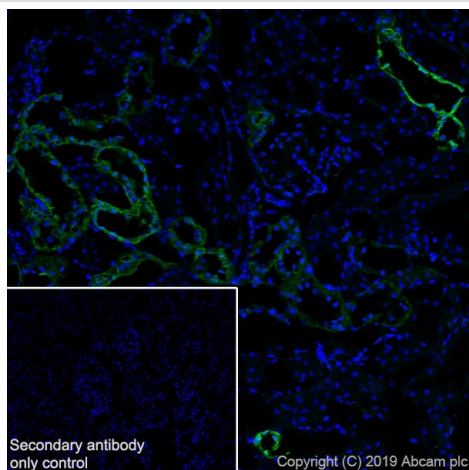
Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



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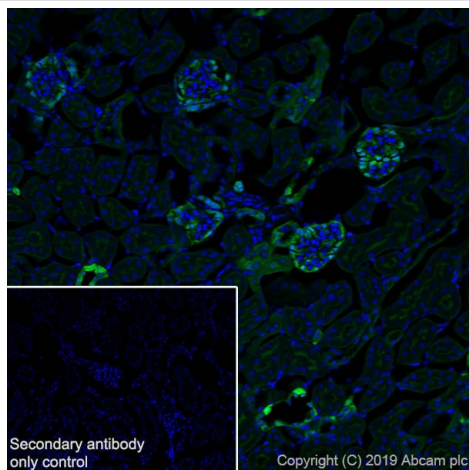
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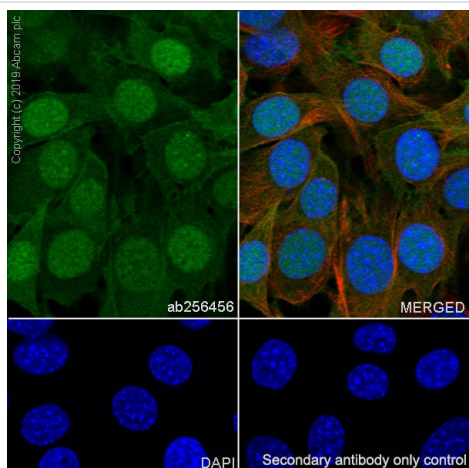
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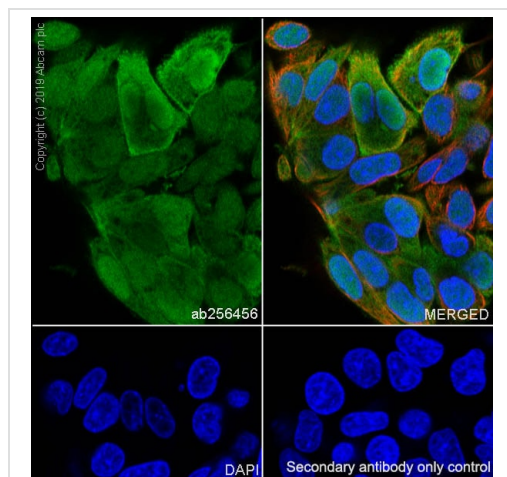
Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



Immunocytochemistry/ Immunofluorescence - Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized NIH/3T3 (mouse embryonic fibroblast) cells labeling Annexin-4/ANXA4 with ab256456 at 1/100 5.2 µg/ml dilution, followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary antibody at 1/1000 2 µg/ml dilution (Green). Confocal image showing nuclear, cytoplasmic and staining in NIH/3T3 cell line. **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 2 µg/ml dilution.



Immunocytochemistry/ Immunofluorescence - Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HepG2 (human hepatocellular carcinoma epithelial cell) cells labeling Annexin-4/ANXA4 with ab256456 at 1/100 5.2 µg/ml dilution, followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary antibody at 1/1000 2 µg/ml dilution (Green). Confocal image showing nuclear, cytoplasmic and staining in HepG2 cell line. **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 2 µg/ml dilution.

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Anti-Annexin-4/ANXA4 antibody [EPR22929-208] (ab256456)

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