abcam

ab214486

Anti-Annexin A1/ANXA1 antibody [EPR19342]

Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486) is a rabbit monoclonal antibody detecting Annexin A1/ANXA1 in **Western Blot, Flow Cytometry (Intra), IP, IHC-P, ICC/IF**. Suitable for **Human, Mouse, Rat**.

- KO validated for confirmed specificity
- Biophysical QC for unrivalled batch-batch consistency
- Over 30 publications

Recombinant | RabMAb | KO Validated | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR19342
Purification technique	Affinity purification Protein A
Concentration	0.567 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	1/30
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Common marmoset
Dilution info	-
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/2000
Notes	-

Species	Rat
Dilution info	1/2000
Notes	-

Species	Human
Dilution info	1/2000
Notes	-

Predicted

Species	Common marmoset
Dilution info	-

Notes	-

ICC/IF

Tested

Species	Mouse
Dilution info	1-5 µg/mL
Notes	-

Species	Human
Dilution info	1-5 µg/mL
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Common marmoset
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Mouse
Dilution info	1/600
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Expected

Species	Human, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Common marmoset
Dilution info	-
Notes	-

IHC-P

Tested

Species	Mouse
Dilution info	1/4000
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Rat
Dilution info	1/4000
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Human
Dilution info	1/4000
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Predicted

Species	Common marmoset
Dilution info	-
Notes	-

Target data

See full target information ANXA1

Function	Plays important roles in the innate immune response as effector of glucocorticoid-mediated responses and regulator of the inflammatory process. Has anti-inflammatory activity (PubMed:8425544). Plays a role in glucocorticoid-mediated down-regulation of the early phase of the inflammatory response (By similarity). Contributes to the adaptive immune response by enhancing signaling cascades that are triggered by T-cell activation, regulates differentiation and proliferation of activated T cells (PubMed:17008549). Promotes the differentiation of T cells into Th1 cells and negatively regulates differentiation into Th2 cells (PubMed:17008549). Has no effect on unstimulated T cells (PubMed:17008549). Negatively regulates hormone exocytosis via activation of the formyl peptide receptors and reorganization of the actin cytoskeleton (PubMed:19625660). Has high affinity for Ca(2+) and can bind up to eight Ca(2+) ions (By similarity). Displays Ca(2+)-dependent binding to phospholipid membranes (PubMed:2532504, PubMed:8557678). Plays a role in the formation of phagocytic cups and phagosomes. Plays a role in phagocytosis by mediating the Ca(2+)-dependent interaction between phagosomes and the actin cytoskeleton (By similarity). In the context of antitumor immunity, interacts with FPR1 on dendritic cells allowing for tumor-associated antigens uptake and cross-presentation to T cells to mount an antitumor specific T cell response. Annexin Ac2-26. Functions at least in part by activating the formyl peptide receptors and downstream signaling cascades (PubMed:15187149, PubMed:22879591, PubMed:25664854). Promotes chemotaxis of granulocytes and monocytes via activation of the formyl peptide receptors (PubMed:15187149). Promotes rearrangement of the actin cytoskeleton, cell polarization and cell migration (PubMed:15187149). Promotes resolution of inflammation and wound healing (PubMed:25664854). Acts via neutrophil N-formyl peptide receptors to enhance the release of CXCL2 (PubMed:22879591).

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

What is this antibody validated in?
Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486) is a rabbit recombinant monoclonal antibody and is validated for use in Western Blot (WB), Flow Cytometry (Intra), Immunoprecipitation (IP), Immunohistochemistry (IHC-P), Immunocytochemistry/immunofluorescence (ICC/IF) in Human, Mouse, Rat samples.

What is the molecular weight of Annexin A1/ANXA1?
Anti-Annexin A1/ANXA1 [EPR19342] (ab214486) specifically detects a band for Annexin A1/ANXA1 (UniProt: P04083) at a molecular weight of 38kDa.

Trusted by the scientific community
Anti-Annexin A1/ANXA1 [EPR19342] (ab214486) was first used in a scientific publication in 2016 and has been cited over 30 times in peer-reviewed journals.

Reviewed by scientists
Anti-Annexin A1/ANXA1 [EPR19342] (ab214486) has over 10 independent reviews from customers.

Specificity confirmed
The specificity of Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486) has been confirmed by Western blot testing in ANXA1 Knockout HAP1 cells.

Other related products
We have a range of other formats of antibody clone [EPR19342] also available for your convenience: ab214486, Carrier free - ab222398, APC - ab225511, PE - ab225512, Alexa Fluor® 488 - ab225513, Carrier free - ab267439, Alexa Fluor® 647 - ab309365, Alexa Fluor® 555 - ab313664

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Trial sizes available!
Test your antibody or perform pre-screening before committing to a larger quantity. Sold in 20µl. Discover our selection of trial-size antibodies.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	Annexin A1 also known as ANXA1 or annexin 1 is a multifunctional protein with a molecular mass of approximately 37 kDa. This protein belongs to the annexin family and is distributed widely in various tissue types including the central nervous system respiratory system and immune cells. Annexin A1 functions by

	binding to phospholipids in a calcium-dependent manner influencing membrane-related processes and signal transduction. Its expression can be examined using techniques like annexin A1 immunohistochemistry and annexin A1 ELISA to study protein localization and concentration.
Biological function summary	Annexin A1 is involved in modulating inflammatory responses and cell proliferation. It acts as a mediator in the resolution of inflammation by promoting apoptotic cell clearance and regulating leukocyte migration. Annexin A1 participates in complex interactions often associating with cell membrane phospholipids to exert its effects. It contributes significantly to cell adhesion migration and intracellular signaling events which are important for maintaining homeostasis and proper immune function.
Pathways	Annexin A1 plays a significant role in the glucocorticoid signaling pathway and the formation of the cytoskeleton. It interacts with proteins like lipocortin 1 and phospholipase A2 impacting processes such as arachidonic acid metabolism and cytoskeletal reorganization. These interactions underline annexin A1's involvement in regulating inflammation and maintaining cellular architecture linking it to cellular processes that govern stress responses and cell movement.
Associated diseases and disorders	Annexin A1 exhibits relevance to inflammatory diseases and cancer. It has been implicated in conditions such as asthma where it modulates inflammatory cell recruitment and activation. In cancer especially in breast cancer annexin A1 influences tumor progression by interacting with proteins like COX-2 affecting tumor cell invasion and metastasis. The protein's role in these conditions highlights its potential as both a biomarker and therapeutic target helping in understanding disease mechanisms and developing treatment strategies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

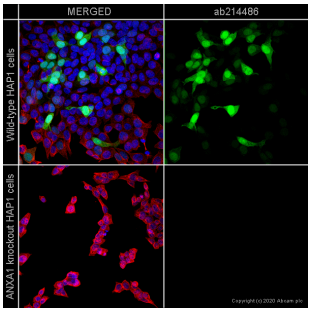
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

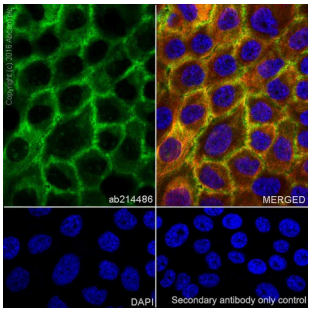
16 product images



Immunocytochemistry/ Immunofluorescence - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Annexin A1/ANXA1 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Annexin A1/ANXA1 antibody

ab214486 staining ANXA1 in wild-type Hap1 cells (top panel) and ANXA1 knockout Hap1 cells (bottom panel). The cells were fixed with 4% paraformaldehyde (10min) permeabilized with 0.1% Triton X-100 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 with ab214486 at 5ug/ml concentration and ab7291 (Tubulin) at 1/1000 dilution overnight at +4°C, followed by a further incubation at room temperature for 1h with a goat secondary antibody to rabbit IgG (Alexa Fluor® 488) (ab150081) at 2 µg/ml (shown in green) and a goat secondary antibody to mouse IgG (Alexa Fluor® 594) (ab150120) at 2 µg/ml (shown in pseudo color red). Nuclear DNA was labelled in blue with DAPI.
Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Annexin A1/ANXA1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Annexin A1/ANXA1 antibody

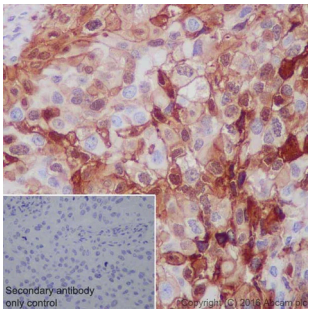
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized BxPC-3 (Human pancreas adenocarcinoma cell line) cells labeling Annexin A1 with ab214486 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green).
Confocal image showing membrane and weak cytoplasmic staining on BxPC-3 cell line.

The nuclear counterstain is DAPI (blue).

Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) (ab195889) at 1/200 dilution (red).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) at 1/1000 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Annexin A1/ANXA1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Annexin A1/ANXA1 antibody

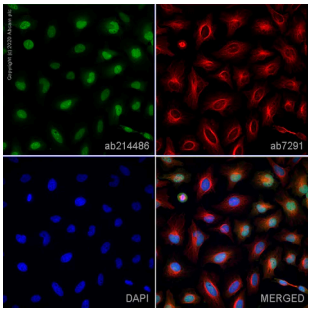
Immunohistochemical analysis of paraffin-embedded human bladder cancer tissue labeling Annexin A1 with ab214486 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP)

(ab97051) at 1/500 dilution.
Nuclear, cytoplasmic and membrane staining on human bladder cancer tissue is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

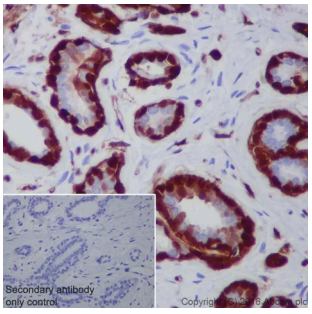
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Annexin A1/ANXA1 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Annexin A1/ANXA1 antibody

ab214486 staining ANXA1 in HeLa cells. The cells were fixed with 4% paraformaldehyde (10min) permeabilized with 0.1% Triton X-100 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 with ab214486 at 5ug/ml concentration and ab7291 (Tubulin) at 1/1000 dilution overnight at +4°C, followed by a further incubation at room temperature for 1h with a goat secondary antibody to rabbit IgG (Alexa Fluor® 488) (ab150081) at 2 µg/ml (shown in green) and a goat secondary antibody to mouse IgG (Alexa Fluor® 594) (ab150120) at 2 µg/ml (shown in pseudo color red). Nuclear DNA was labelled in blue with DAPI.
Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

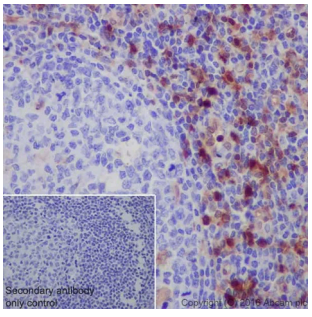
Annexin A1/ANXA1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Annexin A1/ANXA1 antibody

Immunohistochemical analysis of paraffin-embedded human breast tissue labeling Annexin A1 with ab214486 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.
Nuclear and cytoplasmic staining on human breast tissue is observed [PMID:16949910].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Annexin A1/ANXA1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Annexin A1/ANXA1 antibody

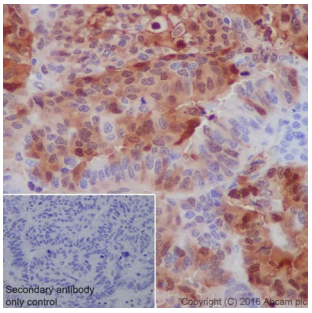
Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling Annexin A1 with ab214486 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500

dilution.
Nuclear and cytoplasmic staining on human tonsil tissue is observed [PMID:9720986].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

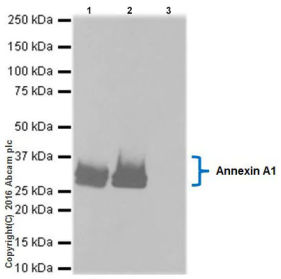
Annexin A1/ANXA1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Annexin A1/ANXA1 antibody

Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue labeling Annexin A1 with ab214486 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.
Nuclear and cytoplasmic and weak membrane staining on human endometrial cancer tissue is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Annexin A1 was immunoprecipitated from 0.35 mg of K562 (Human chronic myelogenous leukemia cell line from bone marrow) whole cell lysate with ab214486 at 1/30 dilution.
Western blot was performed from the immunoprecipitate using ab214486 at 1/1000 dilution.

VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/10,000 dilution

Lane 1: K562 whole cell lysate 10µg (Input).

Lane 2: ab214486 IP in K562 whole cell lysate.

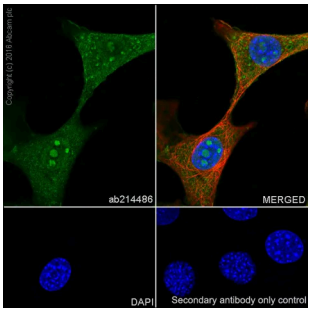
Lane 3: Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730) instead of ab214486 in K562 whole cell lysate.

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

Exposure time: 1 second.

All lanes:
Immunoprecipitation - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Predicted band size: 38 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

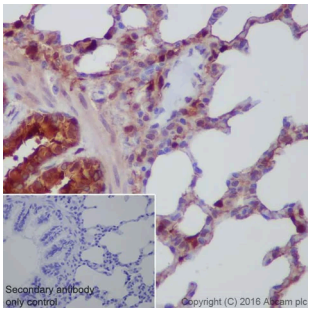
Annexin A1/ANXA1 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Annexin A1/ANXA1 antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized NIH/3T3 (Mouse embryonic fibroblast cell line) cells labeling Annexin A1 with ab214486 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green).
Confocal image showing membrane and cytoplasmic staining on NIH/3T3 cell line.

The nuclear counterstain is DAPI (blue).

Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) (ab195889) at 1/200 dilution (red).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) at 1/1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

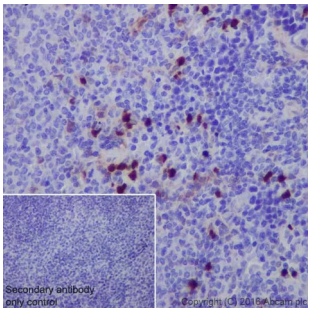
Annexin A1/ANXA1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Annexin A1/ANXA1 antibody

Immunohistochemical analysis of paraffin-embedded rat lung tissue labeling Annexin A1 with ab214486 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.
Nuclear and cytoplasmic staining on rat lung tissue is observed [PMID:15133855] [PMID:9720986].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



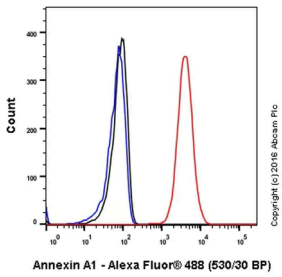
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling Annexin A1 with ab214486 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.
Nuclear and cytoplasmic staining on mouse spleen tissue is observed [PMID:9720986].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

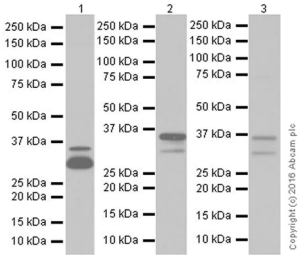
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Annexin A1/ANXA1 Flow Cytometry (Intracellular) staining using rabbit Anti-Annexin A1/ANXA1 antibody

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed NIH/3T3 (Mouse embryonic fibroblast cell line) cells labeling Annexin A1 with ab214486 at 1/600 dilution (red) compared withRabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730; black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody.



Western blot - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure time: Lane 1: 3 minutes; Lane 2: 15 seconds; Lane 3: 1 second.

Lanes 1 - 2:
Western blot - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486) at 1/5000 dilution

Lane 3:
Western blot - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486) at 1/20000 dilution

Lane 1:
Human fetal brain lysate at 10 µg

Lane 2:
Human fetal kidney lysate at 10 µg

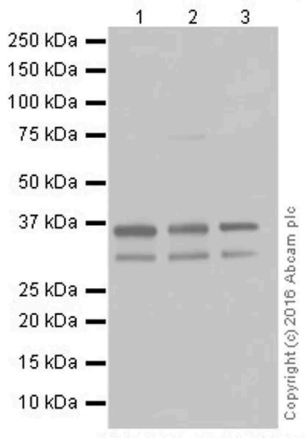
Lane 3:
Human placenta lysate at 10 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

Predicted band size: 38 kDa

Observed band size: 33 kDa, 37 kDa



Western blot - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Annexin A1/ANXA1 Western blot staining using rabbit Anti-Annexin A1/ANXA1 antibody

Blocking/Dilution buffer: 5% NFDM/TBST.
The two band 37kDa is the full length band and the 33kDa supposed to be the cleavage form, this expression pattern observed is consistent with what has been described in the literature (PMID: 25510623 and 20679535).

All lanes:
Western blot - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486) at 1/10000 dilution

Lane 1:
K562 (Human chronic myelogenous leukemia cell line from bone marrow) whole cell lysate at 10 µg

Lane 2:
BxPC-3 (Human pancreas adenocarcinoma cell line) whole cell lysate at 10 µg

Lane 3:
C2C12 (Mouse myoblast cell line) whole cell lysate at 10 µg

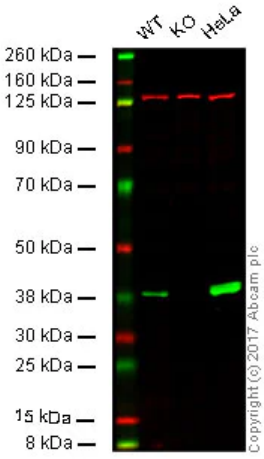
Secondary

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

Predicted band size: 38 kDa

Observed band size: 33 kDa, 37 kDa

Exposure time: 1s



Western blot - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

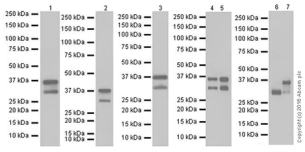
Annexin A1/ANXA1 Western blot staining using rabbit Anti-Annexin A1/ANXA1 antibody

Lane 1: Wild type HAP1 whole cell lysate (20 µg)
Lane 2: Annexin A1 knockout HAP1 whole cell lysate (20 µg)
Lane 3: HeLa whole cell lysate (20 µg)
Lanes 1 - 3: Merged signal (red and green). Green - ab214486 observed at 38 kDa. Red - loading control, ab18058, observed at 130 kDa.

ab214486 was shown to specifically react with Annexin A1 when Annexin A1 knockout samples were used. Wild-type and Annexin A1 knockout samples were subjected to SDS-PAGE. ab214486 and ab18058 (Mouse anti-Vinculin loading control) were incubated overnight at 4°C at 1/2000 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.

All lanes:
Western blot - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Predicted band size: 38 kDa



Western blot - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486)

Annexin A1/ANXA1 Western blot staining using rabbit Anti-Annexin A1/ANXA1 antibody

Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure time: Lane 1: 3 minutes; Lane 2/6/7: 1 seconds; Lane 3: 15 seconds; Lane 4/5: 30 seconds.

Lanes 1 - 2:
Western blot - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486) at 1/5000 dilution

Lanes 3 - 7:

Western blot - Anti-Annexin A1/ANXA1 antibody [EPR19342] (ab214486) at 1/2000 dilution

Lane 1:
C6 (Rat glial tumor cell line) whole cell lysate at 10 µg

Lane 2:
PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate at 10 µg

Lane 3:
NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate at 10 µg

Lane 4:
Mouse kidney lysate at 10 µg

Lane 5:
Mouse spleen lysate at 10 µg

Lane 6:
Rat kidney lysate at 10 µg

Lane 7:
Rat spleen lysate at 10 µg

Secondary

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

Predicted band size: 38 kDa

Observed band size: 33 kDa, 37 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.