

Product datasheet

Anti-Annexin A1/ANXA1 antibody [ANXA1/3566] ab268070

[8 Images](#)

Overview

Product name	Anti-Annexin A1/ANXA1 antibody [ANXA1/3566]
Description	Mouse monoclonal [ANXA1/3566] to Annexin A1/ANXA1
Host species	Mouse
Tested applications	Suitable for: Flow Cyt, IHC-P, Protein Array, WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein within Human Annexin A1/ANXA1 aa 1 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: P04083
Positive control	WB: HeLa, A549, A431 and K562 cell lysates IHC: human esophagus, placenta and prostate tissues. ICC/IF: HeLa cells. Flow: HeLa cells.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Purity	Protein A/G purified
Purification notes	Purified from Bioreactor concentrate

Clonality	Monoclonal
Clone number	ANXA1/3566
Isotype	IgG2a
Light chain type	kappa

Applications

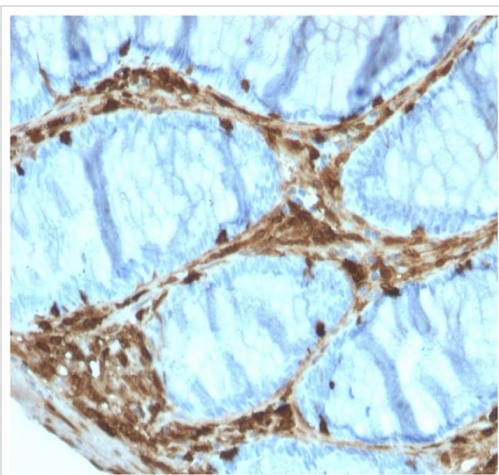
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab268070 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use a concentration of 1 - 2 µg/ml.
IHC-P		Use a concentration of 1 - 2 µg/ml. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Protein Array		Use at an assay dependent concentration.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 39 kDa.
ICC/IF		Use a concentration of 1 - 2 µg/ml.

Target

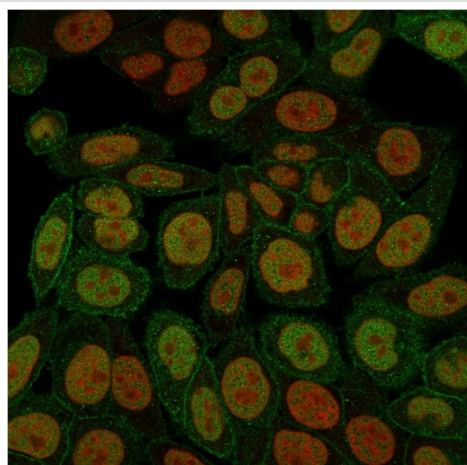
Function	Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis. This protein regulates phospholipase A2 activity. It seems to bind from two to four calcium ions with high affinity.
Sequence similarities	Belongs to the annexin family. Contains 4 annexin repeats.
Domain	A pair of annexin repeats may form one binding site for calcium and phospholipid.
Post-translational modifications	Phosphorylated by protein kinase C, epidermal growth factor receptor/kinase and TRPM7. Phosphorylation results in loss of the inhibitory activity.
Cellular localization	Nucleus. Cytoplasm. Cell projection > cilium. Basolateral cell membrane. Found in the cilium, nucleus and basolateral cell membrane of ciliated cells in the tracheal endothelium (By similarity). Found in the cytoplasm of type II pneumocytes and alveolar macrophages.

Images



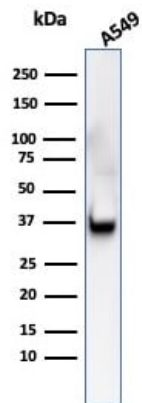
Formalin-fixed, paraffin-embedded human Colon Carcinoma tissue stained for Annexin 1 using ab268070 at 2 μ g/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin A1/ANXA1 antibody [ANXA1/3566] (ab268070)



Immunofluorescence staining of paraformaldehyde-fixed HeLa cells stained for Annexin 1 with ab268070 at 2 μ g/ml followed by a goat anti-Mouse IgG-CF488 (Green). Nuclei are labeled with Reddot (Red).

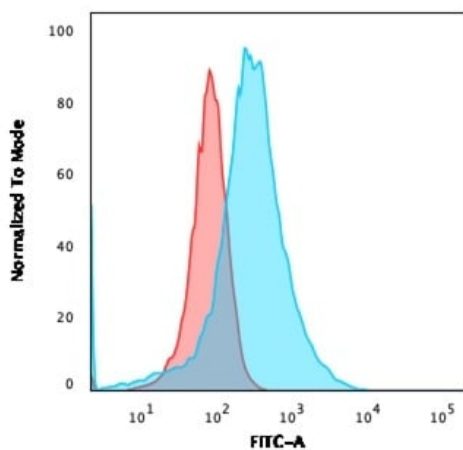
Immunocytochemistry/ Immunofluorescence - Anti-Annexin A1/ANXA1 antibody [ANXA1/3566] (ab268070)



Western blot - Anti-Annexin A1/ANXA1 antibody [ANXA1/3566] (ab268070)

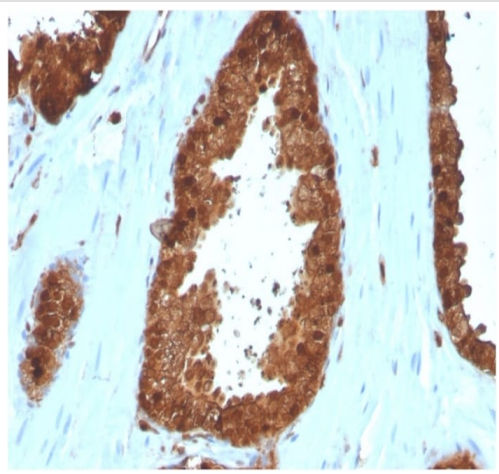
Anti-Annexin A1/ANXA1 antibody [ANXA1/3566] (ab268070) at 2 $\mu\text{g/ml}$ + A549 (Human lung carcinoma cell line) whole cell lysate

Predicted band size: 39 kDa



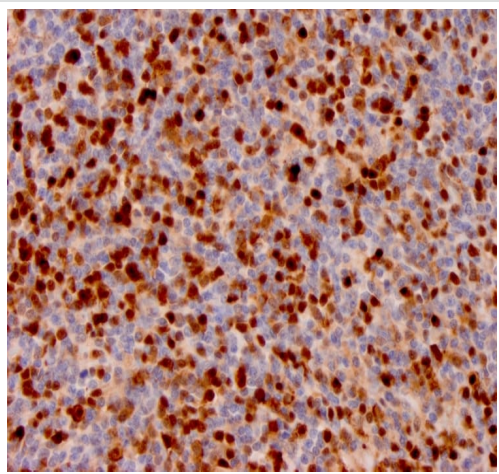
Flow Cytometry - Anti-Annexin A1/ANXA1 antibody [ANXA1/3566] (ab268070)

Flow cytometric analysis of PFA-fixed HeLa cells labeling Annexin 1 using ab268070 at 2 $\mu\text{g/million}$ cells followed by a goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



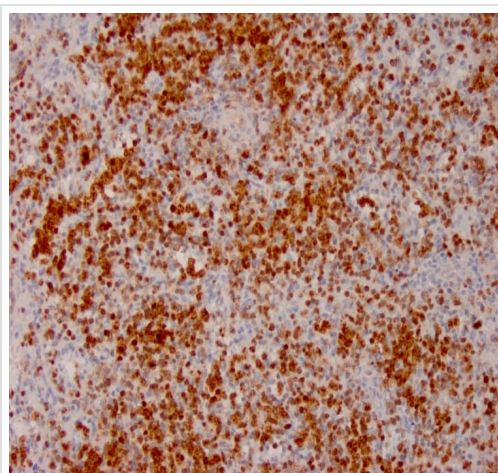
Formalin-fixed, paraffin-embedded human prostate Carcinoma tissue stained for Annexin 1 using ab268070 at 2 $\mu\text{g/ml}$ in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin A1/ANXA1 antibody [ANXA1/3566] (ab268070)



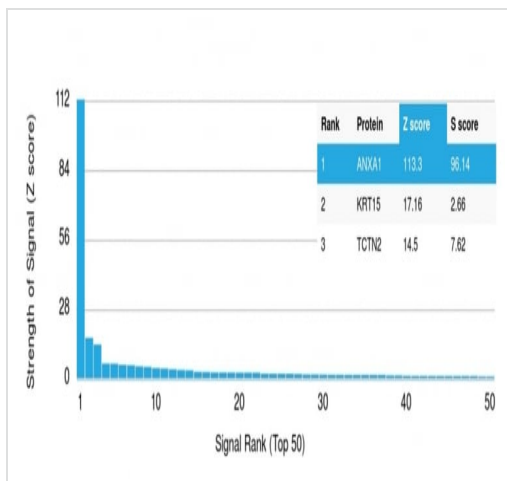
Formalin-fixed, paraffin-embedded human lymph node tissue stained for Annexin 1 using ab268070 at 2 $\mu\text{g/ml}$ in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin A1/ANXA1 antibody [ANXA1/3566] (ab268070)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin A1/ANXA1 antibody [ANXA1/3566] (ab268070)

Formalin-fixed, paraffin-embedded human lymph node tissue stained for Annexin 1 using ab268070 at 2 µg/ml in immunohistochemical analysis.



Protein Array - Anti-Annexin A1/ANXA1 antibody [ANXA1/3566] (ab268070)

Protein Array containing more than 19,000 full-length human proteins using ab268070. Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

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