

Mouse anti-Human Annexin A1 Monoclonal Antibody | anti-ANXA1 antibody

Annexin A1/(Hairy Cell Leukemia Marker)

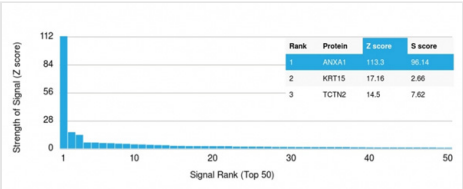
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23918	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

Annexin A1; Monoclonal Antibody; Annexin A1/(Hairy Cell Leukemia Marker); ANXA1; ANX1; Annexin-1; Chromobindin-9; LPC1; p35; anti-ANXA1 antibody

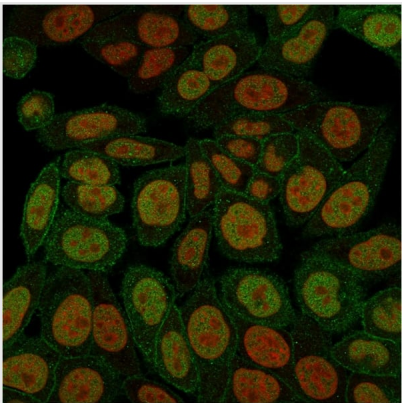
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	ANXA1/3566
Specificity	The ANXA1 gene belongs to the annexin family, and contains 4 annexin repeats. A pair of annexin repeats may form one binding site for calcium and a phospholipid. ANXA1 promotes membrane fusion and is involved in exocytosis. The gene for ANXA1 is upregulated in hairy cell leukemia (HCL), and its protein expression is specific for HCL. Detection of ANXA1 provides a simple, highly sensitive and specific assay for HCL. Annexin A1 has also been found to be protective against DNA damage induced by heat in breast cancer cells, suggesting it is involved in tumor suppressive and protective activities, and also is associated with treatment resistance.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	346
Applicable Applications for anti-ANXA1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Application Notes	FC/FACS: 1-2ug/million cells IF: 1-2ug/ml Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)
Positive Control	HeLa, A549, A431 and K562 cell lysates, human esophagus, placenta and prostate tissues.
Immunogen	Recombinant full-length human Annexin A1 protein
Cellular Localization	Nuclear, Cytoplasm and Cell Surface
Hu-chromosome Location	9q21.13
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



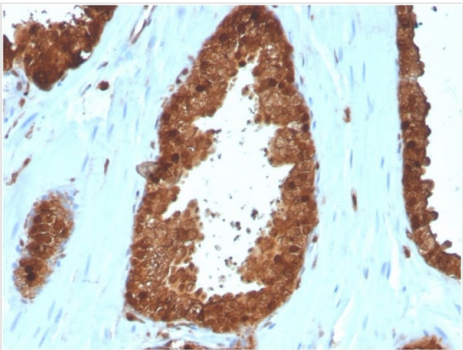
Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using Annexin A1 Mouse Monoclonal Antibody (ANXA1/3566). 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.



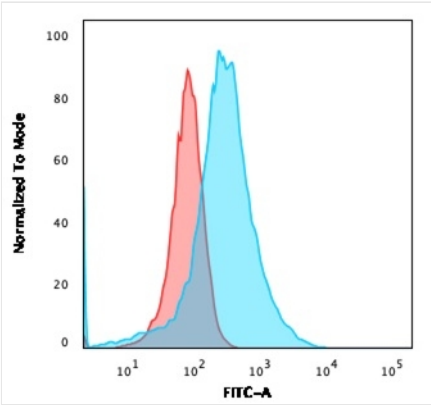
IF (Immunofluorescence)

Immunofluorescence staining of paraformaldehyde-fixed HeLa cells with Annexin A1 Mouse Monoclonal Antibody (ANXA1/3566) followed by goat anti-Mouse IgG-CF488 (Green). Nuclei are labeled with Reddot (Red).



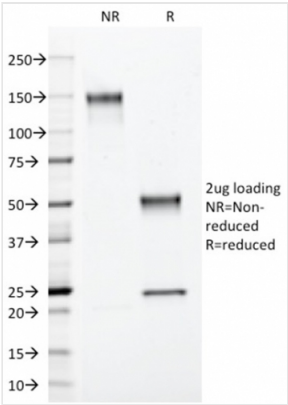
IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Annexin A1 Mouse Monoclonal Antibody (ANXA1/3566).



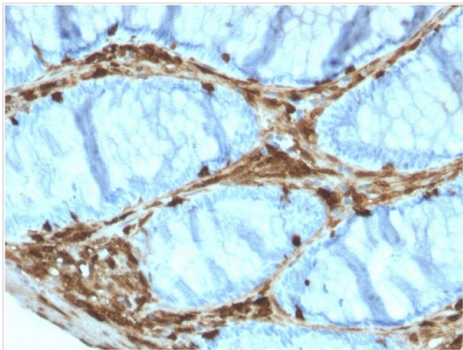
FCM (Flow Cytometry)

Flow Cytometric Analysis of PFA-fixed HeLa cells using Annexin A1 Mouse Monoclonal Antibody (ANXA1/3566) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



SDS-PAGE

SDS-PAGE Analysis Purified Annexin A1 Mouse Monoclonal Antibody (ANXA1/3566). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Annexin A1 Mouse Monoclonal Antibody (ANXA1/3566).

ADDITIONAL INFORMATION

References	Falini B, Tiacchi E, Liso A et al. J Exp Med 199:59-68, 2004.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502101
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NCBI GeneID	301
NCBI Accession #	NP_000691.1
NCBI GenBank Nucleotide #	NP_000691.1
UniProt Accession #	P04083
Molecular Weight	38kDa
NCBI Official Full Name	annexin A1
NCBI Official Synonym Full Names	annexin A1
NCBI Official Symbol	ANXA1
NCBI Official Synonym Symbols	ANX1; LPC1
NCBI Protein Information	annexin A1
UniProt Protein Name	Annexin A1
UniProt Gene Name	ANXA1
UniProt Synonym Gene Names	ANX1; LPC1
UniProt Entry Name	ANXA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/annexin-a1-antibody-clone-anxa1-3566-flow-cytometry-immunofluorescence-immunohistochemistry-elisa/23918>