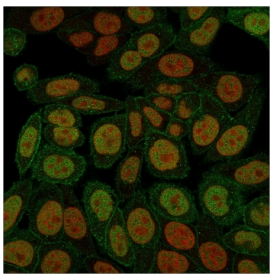
Annexin A1 Antibody / Lipocortin I Antibody [clone ANXA1/3566] (V7838)

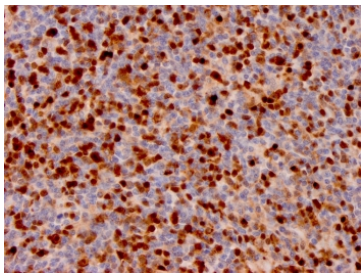
Catalog No.	Formulation	Size
V7838-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7838-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7838SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

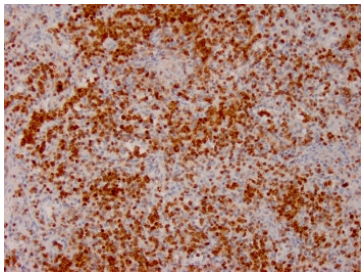
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	ANXA1/3566
Purity	Protein G affinity chromatography
UniProt	P04083
Localization	Cell surface, cytoplasmic, nuclear
Applications	Flow cytometry: 1-2ug/10^6 cells in 0.1ml Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 1-2ug/ml
Limitations	This Annexin A1 Antibody / Lipocortin I Antibody is available for research use only.



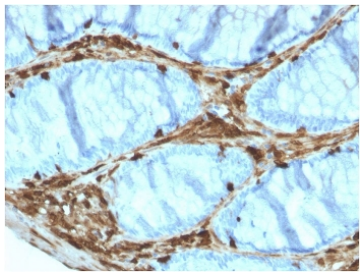
Annexin A1 Antibody Human HeLa Cell IF. Immunofluorescence staining of PFA-fixed human HeLa cells was performed with Annexin A1 Antibody, clone ANXA1/3566 (green), with Reddot nuclear counterstain (red). Annexin A1 staining is observed predominantly throughout the cytoplasmic compartment, with a punctate intracellular distribution. This Annexin A1 Antibody demonstrates ANXA1 localization in human HeLa cells and supports studies of membrane-associated processes, inflammatory signaling and cancer biology.



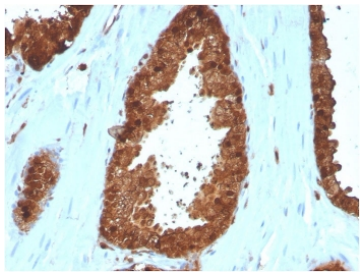
Annexin A1 Antibody Human Lymph Node IHC. Immunohistochemistry staining of FFPE human lymph node tissue was performed with Annexin A1 Antibody, clone ANXA1/3566. Heat-induced epitope retrieval was performed by boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9, for 10â€“20 min followed by cooling. Strong positive staining is observed in numerous cells throughout the lymph node tissue. This Annexin A1 Antibody demonstrates ANXA1 expression in human lymphoid tissue and supports studies of inflammatory regulation and immune signaling.



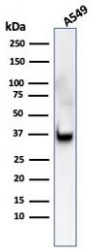
Annexin A1 Antibody Human Lymph Node Immune Cell IHC. Immunohistochemistry staining of FFPE human lymph node tissue was performed with Annexin A1 Antibody, clone ANXA1/3566. Heat-induced epitope retrieval was performed by boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9, for 10â€“20 min followed by cooling. Strong positive staining is observed in numerous immune cells throughout the lymphoid tissue. This Annexin A1 Antibody demonstrates ANXA1 expression in human lymph node and supports studies of inflammatory regulation and immune signaling.



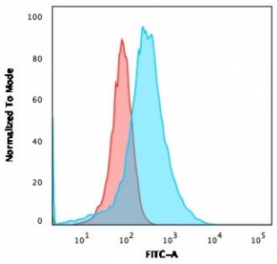
Annexin A1 Antibody Human Colon Carcinoma IHC. Immunohistochemistry staining of FFPE human colon carcinoma tissue was performed with Annexin A1 Antibody, clone ANXA1/3566. Heat-induced epitope retrieval was performed by boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9, for 10â€“20 min followed by cooling. Strong positive staining is observed predominantly in stromal cells surrounding the malignant colonic glands, while the epithelial tumor cells show comparatively little staining. This Annexin A1 Antibody demonstrates ANXA1 expression within the human colon carcinoma microenvironment and supports studies of inflammatory signaling and cancer biology.



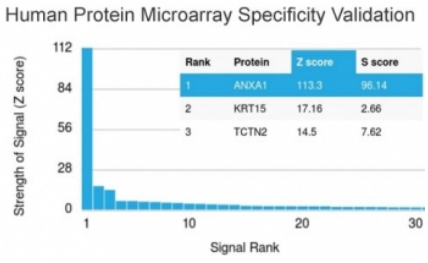
Annexin A1 Antibody Human Prostate Carcinoma IHC. Immunohistochemistry staining of FFPE human prostate carcinoma tissue was performed with Annexin A1 Antibody, clone ANXA1/3566. Heat-induced epitope retrieval was performed by boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9, for 10â€“20 min followed by cooling. Strong positive staining is observed in the malignant glandular epithelial cells. This Annexin A1 Antibody demonstrates ANXA1 expression in human prostate carcinoma and supports studies of Annexin A1 in epithelial tumor biology and cancer-associated signaling.



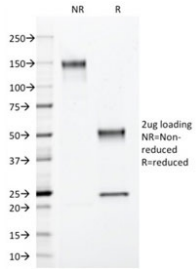
Western blot testing of human A549 cell lysate with Annexin A1 antibody (clone ANXA1/3566). Predicted molecular weight ~38 kDa.



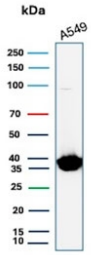
Annexin A1 Antibody Human HeLa Cell FACS. Flow cytometry analysis of PFA-fixed human HeLa cells was performed with Annexin A1 Antibody, clone ANXA1/3566. The blue histogram represents cells stained with Annexin A1 Antibody, while the red histogram represents the isotype control. A clear fluorescence shift is observed with the Annexin A1 Antibody compared with the isotype control, demonstrating detection of ANXA1 in human HeLa cells and supporting studies of Annexin A1 expression and immune-related signaling.



Annexin A1 Antibody Protein Microarray Specificity Validation. Protein Microarray Validated Annexin A1 Antibody, clone ANXA1/3566, was analyzed using a HuProt microarray containing more than 19,000 full-length human proteins. ANXA1 produced the highest-ranked signal with a Z-score of 113.3 and an S-score of 96.14, demonstrating strong preferential recognition of the intended target. The Z-score represents signal strength in standard deviations above the mean signal across the array, while the S-score represents the difference between the target Z-score and the next-ranked protein and therefore reflects relative target specificity. This Annexin A1 Antibody demonstrates a high degree of specificity for ANXA1 across the human protein microarray.



SDS-PAGE analysis of purified, BSA-free Annexin A1 antibody (clone ANXA1/3566) as confirmation of integrity and purity.



Western blot testing of human A549 cell lysate with Annexin A1 antibody (clone ANXA1/3566). Predicted molecular weight ~38 kDa.

Description

Annexin A1 Antibody / Lipocortin I Antibody recognizes Annexin A1, a calcium-dependent phospholipid-binding protein encoded by the ANXA1 gene. Annexin A1 belongs to the annexin family of proteins and is involved in membrane-associated processes, inflammatory regulation, cellular signaling and responses to tissue injury. Historically known as lipocortin I, ANXA1 has been extensively investigated for its relationship with glucocorticoid-mediated anti-inflammatory responses and the regulation of innate immune cell activity.

Annexin A1 is expressed in numerous tissues and is particularly relevant to immune and inflammatory biology. The protein can influence leukocyte trafficking, neutrophil activity, macrophage function and mechanisms involved in the resolution of inflammation. ANXA1 can also interact with membrane phospholipids in a calcium-dependent manner, and its biological activity is influenced by cellular localization, phosphorylation and proteolytic processing. These properties connect Annexin A1 with both intracellular signaling and extracellular mechanisms that regulate inflammatory responses.

ANXA1 is also studied extensively in cancer biology. Changes in Annexin A1 expression and localization have been reported in multiple tumor types, although the direction and biological significance of these changes can vary according to tissue and disease context. ANXA1 has been investigated in relation to tumor cell proliferation, migration, invasion, differentiation and interactions with the tumor microenvironment. An Annexin A1 Antibody can therefore support studies examining the intersection between inflammatory signaling, epithelial biology and cancer-associated changes in ANXA1 expression.

Clone ANXA1/3566 has been evaluated using a human protein microarray to assess antibody specificity across a large collection of recombinant proteins. Protein Microarray Validated antibodies provide an additional approach for evaluating target recognition beyond tissue- and cell-based testing. In HuProt protein microarray analysis, the Z-score reflects the strength of antibody binding relative to background signals across the array, while the S-score reflects the relative

specificity of target recognition compared with other proteins represented on the array. These data provide supporting evidence for the specificity profile of clone ANXA1/3566.

NSJ Bioreagents offers mouse monoclonal Annexin A1 Antibody clone ANXA1/3566 for investigating ANXA1 expression and function. A Lipocortin I Antibody can support research into inflammatory regulation, innate immune signaling, membrane-associated processes, cellular stress and cancer biology.

Researchers investigating Annexin A1 in inflammatory and immune regulation can explore our Immunology Antibodies page for additional reagents targeting mediators of innate and adaptive immune signaling.

Application Notes

Optimal dilution of the Annexin A1 Antibody / Lipocortin I Antibody should be determined by the researcher.

Immunogen

Recombinant full-length human Annexin A1 protein was used as the immunogen for the Annexin A1 antibody.

Storage

Store the Annexin A1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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