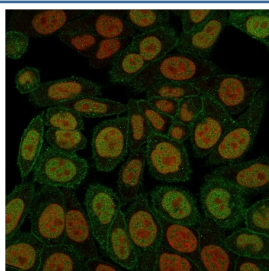


Annexin A1 Antibody [clone ANXA1/3566] (V7838)

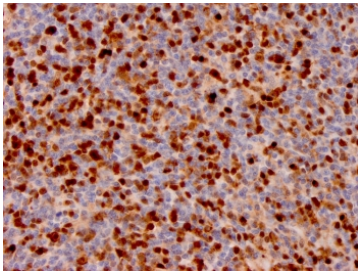
Catalog No.	Formulation	Size
V7838-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7838-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7838SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

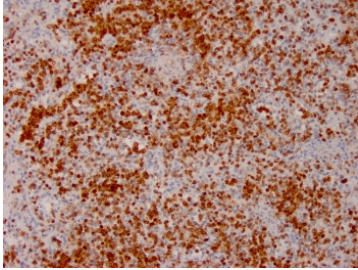
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	ANXA1/3566
Purity	Protein G affinity chromatography
UniProt	P04083
Localization	Cell surface, cytoplasmic, nuclear
Applications	Flow Cytometry : 1-2ug/10 ⁶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



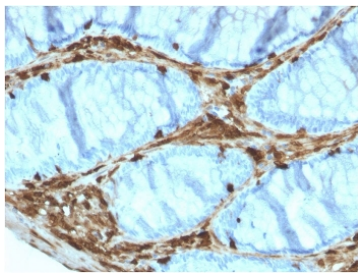
Immunofluorescent staining of PFA-fixed human HeLa cells with Annexin A1 antibody (green, clone ANXA1/3566) and Reddot nuclear stain (red).



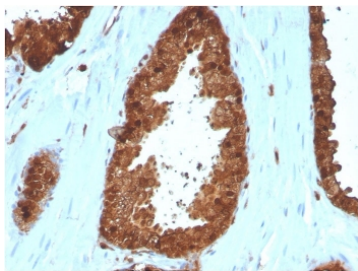
IHC staining of FFPE human lymph node with Annexin A1 antibody (clone ANXA1/3566). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



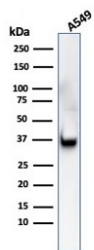
IHC staining of FFPE human lymph node with Annexin A1 antibody (clone ANXA1/3566). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



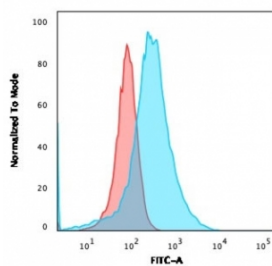
IHC staining of FFPE human colon carcinoma with Annexin A1 antibody (clone ANXA1/3566). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



IHC staining of FFPE human prostate carcinoma with Annexin A1 antibody (clone ANXA1/3566). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

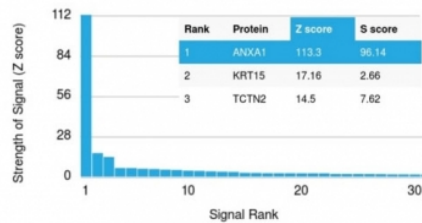


Western blot testing of human A549 cell lysate with Annexin A1 antibody (clone ANXA1/3566). Predicted molecular weight ~38 kDa.

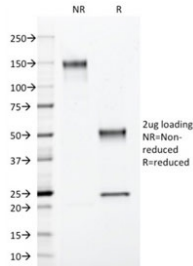


Flow cytometry testing of PFA-fixed human HeLa cells with Annexin A1 antibody (clone ANXA1/3566); Red=isotype control, Blue= Annexin A1 antibody.

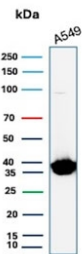
Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Annexin A1 antibody (clone ANXA1/3566). These results demonstrate the foremost specificity of the ANXA1/3566 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



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

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 diagnosing 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.

Application Notes

Optimal dilution of the Annexin A1 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 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

