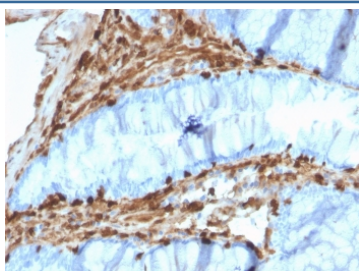


## Annexin A1 Antibody [clone CPTC-ANXA1-1] (V7283)

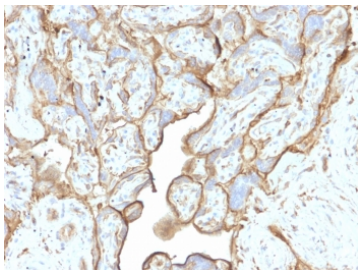
Catalog No.	Formulation	Size
V7283-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7283-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7283SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7283IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

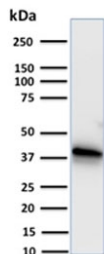
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	CPTC-ANXA1-1
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P04083
<b>Localization</b>	Nuclear and Cytoplasmic
<b>Applications</b>	Immunoprecipitation : 2-4ug/ug protein Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This Annexin A1 antibody is available for research use only.



IHC testing of FFPE human colon carcinoma with Annexin A1 antibody (clone CPTC-ANXA1-1). Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human placental tissue with Annexin A1 antibody (clone CPTC-ANXA1-1). Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

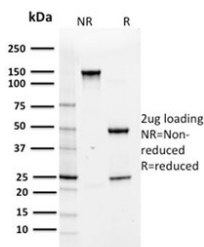


Western blot testing of human A549 cell lysate with Annexin A1 antibody. Expected molecular weight ~38 kDa.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Annexin A1 antibody (clone CPTC-ANXA1-1). These results demonstrate the foremost specificity of the CPTC-ANXA1-1 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 (SD) 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 SD) 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 CPTC-ANXA1-1) as confirmation of integrity and purity.

## 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 to be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Recombinant full-length human 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).