Datasheet for ABIN6939608

anti-Annexin a1 antibody

9 Images

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Overview

Quantity:	100 µg
Target:	Annexin a1 (ANXA1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Annexin a1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human Annexin A1 protein
Clone:	ANXA1-3566
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Annexin a1 (ANXA1)
Alternative Name:	ANXA1 (ANXA1 Products)
Background:	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

Target Details

	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.
Molecular Weight:	38kDa
Gene ID:	301
UniProt:	P04083
Pathways:	Hormone Transport

Application Details

Application Notes:	Positive Control: HeLa, A549, A431 and K562 cell lysates, human esophagus, placenta and prostate tissues. Known Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

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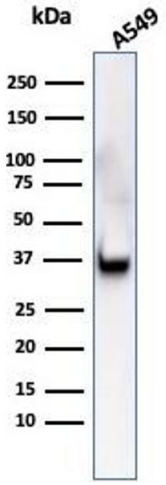
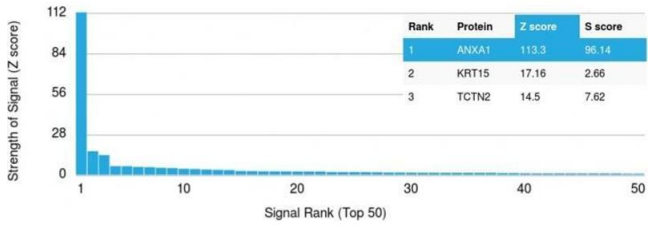


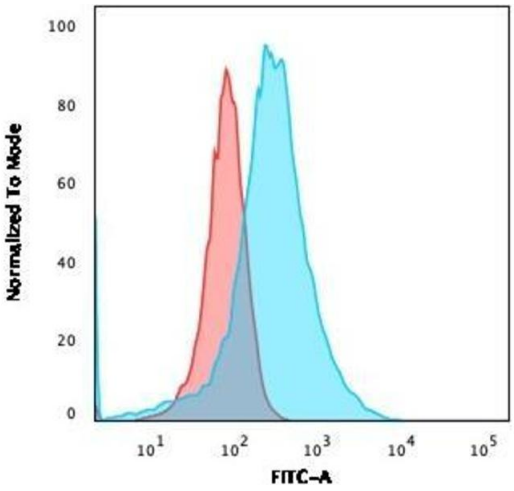
Western Blotting

Image 1. Western Blot Analysis of A549 cell lysate usingAnnexin A1 Mouse Monoclonal Antibody (Clone ANXA1/3566).



Protein Array

Image 2. 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 HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) 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.



Flow Cytometry

Image 3. 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).

Please check the product details page for more images. Overall 9 images are available for ABIN6939608.