

## 36-2458: Anti-Annexin A1 / (Hairy Cell Leukemia Marker) Monoclonal Antibody(Clone: ANXA1/1671)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ANXA1/1671
<b>Application :</b>	FACS, WB, IF, IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	ANXA1
<b>Gene ID :</b>	301
<b>Uniprot ID :</b>	P04083
<b>Alternative Name :</b>	ANXA1; ANX1; Annexin-1; Chromobindin-9; LPC1; p35
<b>Isotype :</b>	Mouse IgG2b, kappa
<b>Immunogen Information :</b>	Recombinant full length human Annexin A1 protein

### 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.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/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.
<b>Storage condition :</b>	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.

### Application Note

Flow Cytometry (1-2ug/million cells); Western Blot (1-2ug/ml); Immunofluorescence (2-4ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

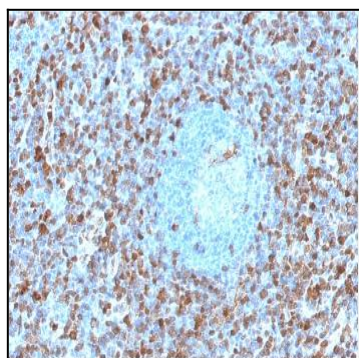


Fig. 1: Formalin-fixed, paraffin-embedded human Spleen tissue stained with Annexin A1 Mouse Monoclonal Antibody (ANXA1/1671).

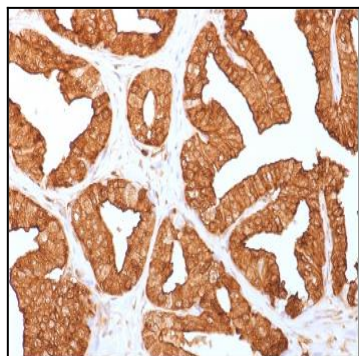


Fig. 2: Formalin-fixed, paraffin-embedded human Prostate tissue stained with Annexin A1 Mouse Monoclonal Antibody (ANXA1/1671).

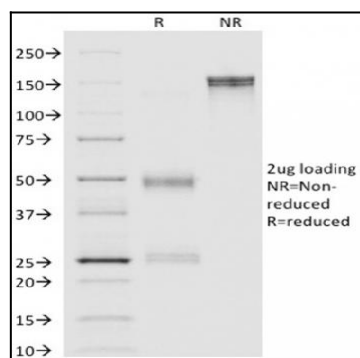


Fig. 3: SDS-PAGE Analysis Purified Annexin A1 Mouse Monoclonal Antibody (ANXA1/1671). Confirmation of Integrity and Purity of Antibody.

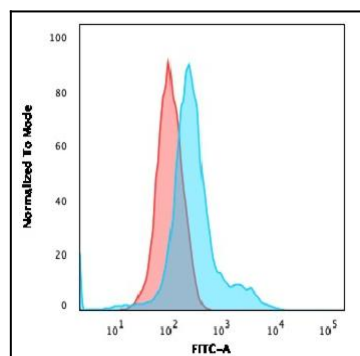


Fig. 4: Flow Cytometric Analysis of PFA-fixed HeLa cells. Annexin A1 Mouse Monoclonal Antibody (ANXA1/1671) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).