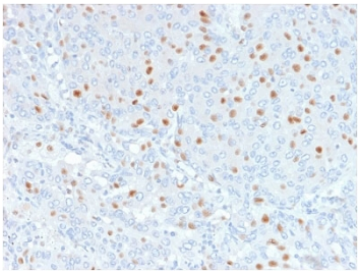
Annexin A1 Antibody [clone 6E4/3] (V3741)

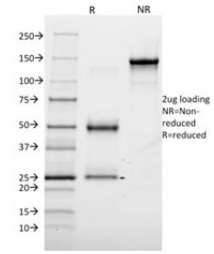
Catalog No.	Formulation	Size
V3741-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3741-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3741SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3741IHC-7ML	Prediluted 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

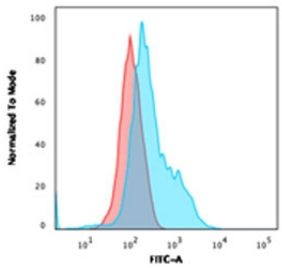
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	6E4/3
Purity	Protein G affinity chromatography
UniProt	P04083
Localization	Nuclear and Cytoplasmic
Applications	Flow cytometry: 1-2ug/10^6 cells Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This Annexin A1 antibody is available for research use only.



IHC testing of FFPE human bladder carinoma with Annexin A1 antibody (clone 6E4/3). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free Annexin A1 antibody (clone 6E4/3) as confirmation of integrity and purity.



Flow testing of fixed and permeabilized human HeLa cells with Annexin A1 antibody (clone 6E4/3). Red=isotype control, Blue= Annexin A1 antibody.

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.

Researchers studying Annexin A1 expression and function can explore our Protein Microarray Validated Annexin A1 Antibody page for additional reagents targeting ANXA1 in inflammatory signaling, immune regulation and cancer biology.

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 human full-length 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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