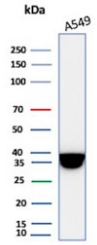
Recombinant Annexin A1 Antibody [clone rANXA1/4310] (V8635)

Catalog No.	Formulation	Size
V8635-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8635-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8635SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

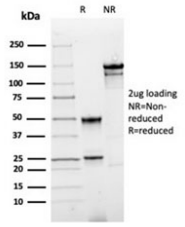
Recombinant MOUSE MONOCLONAL

Bulk quote request

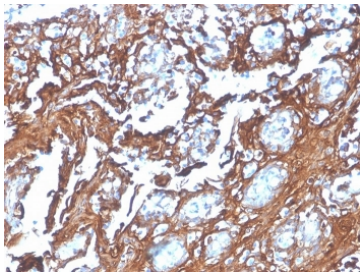
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Guinea pig
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Name	rANXA1/4310
Purity	Protein G affinity chromatography
UniProt	P04083
Localization	Nucleus, cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western blot: 2-4ug/ml
Limitations	This recombinant Annexin A1 antibody is available for research use only.



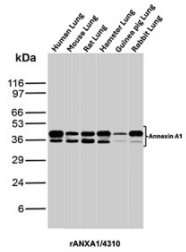
Western blot testing of human A549 cell lysate with recombinant Annexin A1 antibody. Predicted molecular weight ~38 kDa.



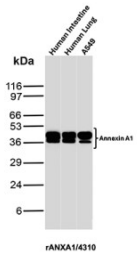
SDS-PAGE analysis of purified, BSA-free recombinant Annexin A1 antibody (clone rANXA1/4310) as confirmation of integrity and purity.



IHC staining of FFPE human tonsil with recombinant Annexin A1 antibody (clone rANXA1/4310). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Recombinant Annexin A1 Antibody Multi-Species Lung Tissue WB. Western blot analysis of human, mouse, rat, hamster, guinea pig and rabbit lung tissue lysates using Recombinant Annexin A1 Antibody (clone rANXA1/4310). Annexin A1 is detected across the species tested, demonstrating recognition of the target in a broad range of mammalian lung tissues.



Recombinant Annexin A1 Antibody Human A549 Lung Cancer Cell and Tissue WB. Western blot analysis of human intestine, human lung and A549 lung cancer cell lysates using Recombinant Annexin A1 Antibody (clone rANXA1/4310). Annexin A1 is detected across the samples tested, demonstrating recognition of the target in human tissues and A549 lung cancer cells.

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 recombinant Annexin A1 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human Annexin A1 protein was used as the immunogen for the recombinant Annexin A1 antibody.

Storage

Store the recombinant Annexin A1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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