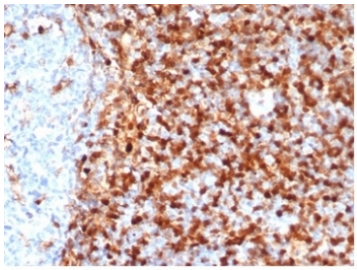
ANXA1 Antibody / Annexin A1 [clone rANXA1/6451] (V9509)

Catalog No.	Formulation	Size
V9509-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9509-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9509SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

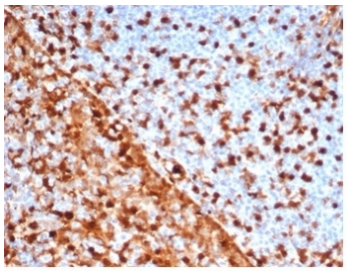
Recombinant | MOUSE MONOCLONAL

Bulk quote request

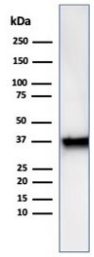
Availability	1-3 business days
Species Reactivity	Human, Hamster, Guinea pig, Rabbit
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Name	rANXA1/6451
Purity	Protein A/G affinity
UniProt	P04083
Localization	Nucleus, Cytoplasm
Applications	Western blot: 2-4ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This ANXA1 antibody is available for research use only.



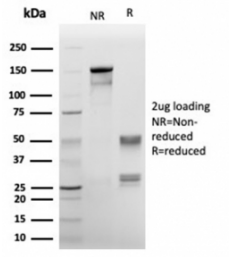
ANXA1 Antibody Human Tonsil Immune Cell IHC. Immunohistochemistry staining of FFPE human tonsil tissue with ANXA1 Antibody (clone rANXA1/6451). Heat-induced epitope retrieval (HIER) was performed by boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9, for 20 min followed by cooling before staining. Strong ANXA1 staining is observed in immune cell populations within the tonsil tissue.



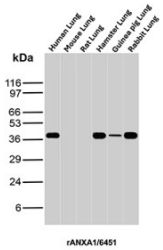
IHC staining of FFPE human tonsil tissue with ANXA1 antibody (clone rANXA1/6451). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



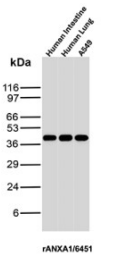
Western blot testing of human A549 cell lysate using ANXA1 antibody (clone rANXA1/6451). Predicted molecular weight ~36 kDa.



SDS-PAGE analysis of purified, BSA-free ANXA1 antibody (clone rANXA1/6451) as confirmation of integrity and purity.



ANXA1 Antibody Human, Mouse, Rat, Hamster, Guinea Pig and Rabbit Lung WB. Western blot analysis of human, mouse, rat, hamster, guinea pig and rabbit lung tissue lysates using ANXA1 Antibody (clone rANXA1/6451). Annexin A1 is detected at approximately 37-40 kDa in human, hamster, guinea pig and rabbit lung tissue, with little to no detectable signal observed in the mouse and rat samples under these conditions.



ANXA1 Antibody Human A549 Lung Cancer Cell and Tissue WB. Western blot analysis of human intestine, human lung and A549 lung cancer cell lysates using ANXA1 Antibody (clone rANXA1/6451). Annexin A1 is detected at approximately 37-40 kDa across the samples tested, demonstrating recognition of ANXA1 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 ANXA1 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human Annexin A1 protein was used as the immunogen for the ANXA1 antibody.

Storage

Aliquot the ANXA1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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