www.antibodiesinc.com
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530-758-4400

PRODUCT DATASHEET

Anti-Annexin A1 Antibody

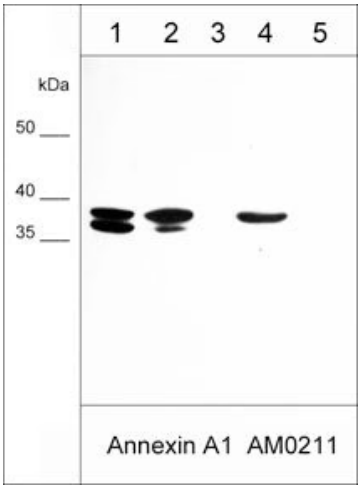
phosphosolutions ANTIBODIES THAT WORK

Product Details

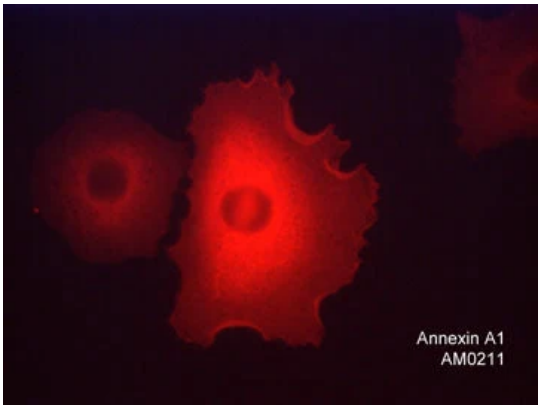
Available Variants	100 µL (SKU:AM0211)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M021
Gene Name	ANXA1
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100 IP: 1:100
Species Reactivity	Human
Immunogen	Clone M021 was generated from a proprietary antigen related to human Annexin A1 in the A549 lung carcinoma cell line.
Specificity	Clone M021 detects a 38 kDa* protein corresponding to the molecular mass of Annexin A1 on SDS-PAGE immunoblots of human A431, MDA-MB-231, and A549. The antibody also detects full length recombinant human Annexin A1, but not Annexin A2 or Annexin A5 recombinant proteins. The antibody works for western blot, ELISA, immunocytochemical labeling, and immunoprecipitation.
Molecular Weight	38
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P04083 UniProt Summary: Plays important roles in the innate immune response as effector of glucocorticoid-mediated responses and regulator of the inflammatory process. Has anti-inflammatory activity. Plays a role in glucocorticoid-mediated down-regulation of the early phase of the inflammatory response. Contributes to the adaptive immune response by enhancing signaling cascades that are triggered by T-cell activation, regulates differentiation and proliferation of activated T cells. Promotes the differentiation of T cells into Th1 cells and negatively regulates differentiation into Th2 cells. Has no effect on unstimulated T cells. Negatively regulates hormone exocytosis via activation of the formyl peptide receptors and reorganization of the actin cytoskeleton. Has high affinity for Ca(2+) and can bind up to eight Ca(2+) ions. Displays Ca(2+)-dependent binding to phospholipid membranes. Plays a role in the formation of phagocytic cups and phagosomes. Plays a role in phagocytosis by mediating the Ca(2+)-dependent interaction between phagosomes and the actin cytoskeleton. In the context of antitumor immunity, interacts with FPR1 on dendritic cells allowing for tumor-associated antigens uptake and cross-presentation to T cells to mount an antitumor specific T cell response.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	301

Product Images



Western blot of human A431 cells (lane 1), A549 cells (lane 2), LNCaP cells (lane 3), full-length recombinant human annexin A1 (lane 4), and recombinant human annexin A2 (lane 5). The blot was probed with mouse monoclonal anti-Annexin A1 antibody (AM0211) at 1:1000 (lanes 1-5).



Immunocytochemical labeling of Annexin A1 in paraformaldehyde fixed human A549 cells. The cells were labeled with mouse monoclonal anti-Annexin A1 (clone M021). The antibody was detected using goat anti-mouse Ig DyLight® 594.