www.antibodiesinc.com
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530-758-4400

PRODUCT DATASHEET

Anti-Annexin A2 Antibody

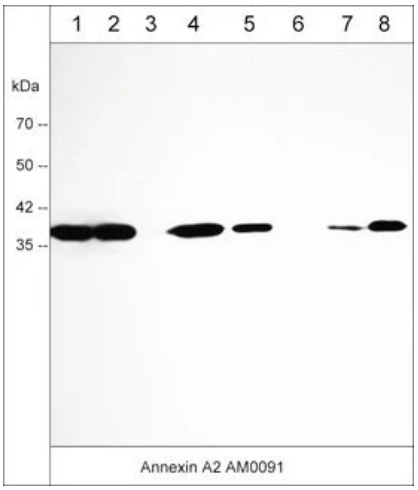
phosphosolutions ANTIBODIES THAT WORK

Product Details

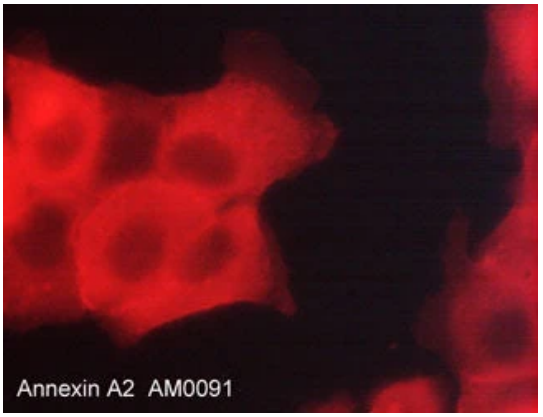
Available Variants	100 µL (SKU:AM0091)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M009
Gene Name	ANXA2
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100 IP: 1:100
Species Reactivity	Human
Immunogen	Clone M009 was generated from a proprietary antigen related to human Annexin A2 in MDA-MB-231 breast cancer cell line.
Specificity	Clone M009 detects a 36 kDa* protein corresponding to the molecular mass of Annexin A2 on SDS-PAGE immunoblots of human A431, MDA-MB-231, MeWo, HUVEC, and PC3 cells. The antibody also works for ELISA, immunocytochemical labeling, and immunoprecipitation applications. In addition, mass spectrometry analysis of immunoprecipitates using AM0091 in human A431 cell lysates confirms that this antibody only detects Annexin A2 protein.
Molecular Weight	36

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	P07355 UniProt Summary: Calcium-regulated membrane-binding protein whose affinity for calcium is greatly enhanced by anionic phospholipids. It binds two calcium ions with high affinity. May be involved in heat-stress response. Inhibits PCSK9-enhanced LDLR degradation, probably reduces PCSK9 protein levels via a translational mechanism but also competes with LDLR for binding with PCSK9. Binds to endosomes damaged by phagocytosis of particulate wear debris and participates in endosomal membrane stabilization, thereby limiting NLRP3 inflammasome activation. Required for endothelial cell surface plasmin generation and may support fibrinolytic surveillance and neoangiogenesis.
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	302

Product Images



Western blot of human A431 (lane 1), MDA-MB-231 (lane 2), LNCaP (lane 3), MeWo (lane 4), HUVEC (lane 5), Jurkat (lane 6), K562 (lane 7), and PC3 (lane 8) cell lysates. The blot was probed with mouse monoclonal anti-Annexin A2 antibody (AM0091) at 1:500 (lanes 1-8).



Immunocytochemical labeling of Annexin A2 in paraformaldehyde fixed human A431 cells. The cells were labeled with mouse monoclonal anti-Annexin A2 (clone M009). The antibody was detected using goat anti-mouse DyLight® 594.