www.antibodiesinc.com
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530-758-4400

PRODUCT DATASHEET

Anti-Annexin A2 (C-terminal region) Antibody

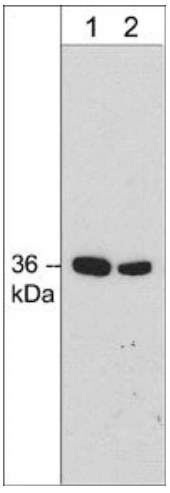
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Product Details

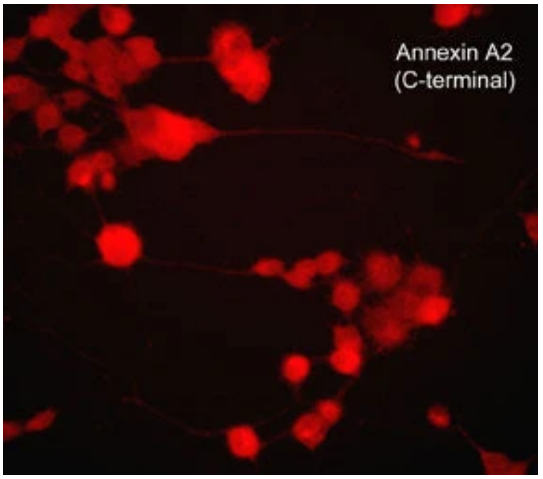
Available Variants	100 µL (SKU:AM2981)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M298
Gene Name	ANXA2
Host Species	Mouse
Format	Protein A Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IHC, IP, WB
Dilution Ranges	WB: 1:1000 IHC: 1:50 ICC: 1:50 IP: 1:50
Species Reactivity	Chicken, Human, Mouse, Rat
Immunogen	Clone M009 was generated from a proprietary antigen related to human Annexin A2 in MDA-MB-231 breast cancer cell line.
Specificity	This antibody detects a 36 kDa* protein corresponding to the molecular mass of Annexin A2 on SDS-PAGE immunoblots of rat PC12 cells. The antibody has been shown to label Annexin A2 in immunocytochemical analysis of PC12 cells and immunohistochemical analysis of mouse diaphragm.
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 rat PC12 cell lysate. The blot was probed with mouse monoclonal anti-Annexin A2 antibody at 1:250 (lane 1) or 1:1000 (lane 2).



Immunocytochemical labeling of Annexin A2 in NGF-differentiated rat PC12 cells. The cells were fixed in paraformaldehyde and permeabilized using NP-40, then labeled with mouse monoclonal Annexin A2 (C-terminal region). The antibody was detected using goat anti-mouse DyLight® 594.