

Mouse anti-Human Annexin A1 Monoclonal Antibody | anti-A1 antibody

Annexin A1 M021 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71557	Mouse	Human	Immunoprecipitation, Immunocytochemistry, ELISA, Western Blot

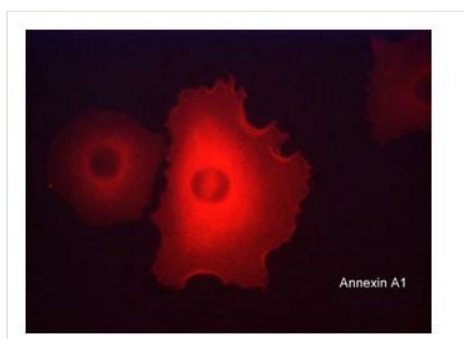
PRODUCT SYNONYMS

Annexin A1; Monoclonal Antibody; Annexin A1 M021 Antibody; Annexin A1 M021; anti-A1 antibody

PRODUCT SPECIFICATIONS

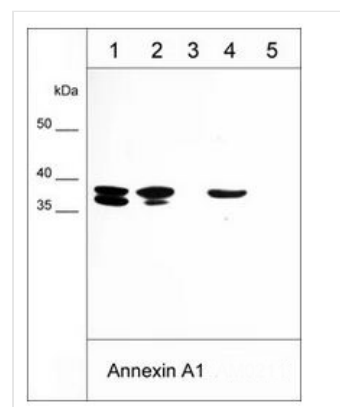
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M021
Specificity	Clone M021 detects a 38kDa* protein corresponding to the molecular mass of Annexin A1 on SDS-PAGE immunoblots of human A431, MDA-MB-231, and A549. The antibody also detects full length recombinant human Annexin A1, but not Annexin A2 or Annexin A5 recombinant proteins. The antibody works for western blot, ELISA, immunocytochemical labeling, and immunoprecipitation.
Form/Format	Mouse monoclonal, protein G purified antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-A1 antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Clone M021 was generated from a proprietary antigen related to human Annexin A1 in the A549 lung carcinoma cell line.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

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.



WB (Western Blot)

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).

ADDITIONAL INFORMATION

Related Product Information for anti-A1 antibody	The Annexin family is composed of at least thirteen mammalian genes (Annexin A1-13). These proteins are characterized by a conserved core domain which binds to phospholipids in a Ca ²⁺ -dependent manner and a unique amino terminal region which may confer binding specificity. Annexins have roles in membrane fusion, endocytosis, secretion, and repair. Annexin A1 binds to cellular membranes in a calcium-dependent manner, promotes membrane fusion and endocytosis, and has been implicated as an anti-inflammatory mediator. Annexin A2 is a cytoskeletal calcium-dependent phospholipid binding protein, which has been shown to be a mediator of corticosteroid activity, a substrate for serine/threonine kinases and growth regulated tyrosine kinases, and may play a role in secretion. Annexin A5 is a PKC inhibitor, directly interacts with VEGFR2 receptor, and binds phosphatidylserine to inhibit blood coagulation. Annexin A6 reverses transformation of A431 cells after overexpression, and this effect may involve annexin A6 targeting of p120 RasGAP to the plasma membrane to inactivate Ras.
References	Boye TL & Nylandsted J (2016) Biol Chem. 397(10):961. Hoque M et al. (2014) Cell Signal. 26(6):1213. Grewal T & Enrich C (2009) Cell Signal. 21(6):847.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502101
NCBI GeneID	301
NCBI Accession #	NP_000691.1
NCBI GenBank Nucleotide #	NM_000700.1
UniProt Accession #	P04083
Molecular Weight	38,714 Da
NCBI Official Full Name	annexin A1
NCBI Official Synonym Full Names	annexin A1
NCBI Official Symbol	ANXA1
NCBI Official Synonym Symbols	ANX1; LPC1
NCBI Protein Information	annexin A1; p35; annexin-1; calpactin-2; calpactin II; lipocortin I; chromobindin-9; annexin I (lipocortin I); phospholipase A2 inhibitory protein
UniProt Protein Name	Annexin A1
UniProt Gene Name	ANXA1
UniProt Synonym Gene Names	ANX1; LPC1
UniProt Entry Name	ANXA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/annexin-a1-antibody-clone-m021-immunoprecipitation-immunocytochemistry-western-blot-elisa/71557>