

Mouse anti-Human Annexin A5 Monoclonal Antibody | anti-A5 antibody

Annexin A5 Antibody

CATALOG # AAA71556	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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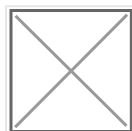
PRODUCT SYNONYMS

Annexin A5; Monoclonal Antibody; Annexin A5 Antibody; anti-A5 antibody

PRODUCT SPECIFICATIONS

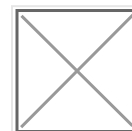
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M017
Specificity	Clone M017 detects a 35kDa* protein corresponding to the molecular mass of Annexin A5 on SDS-PAGE immunoblots of human A431, MDA-MB-231, MeWo, and PC3 cells, as well as human skin, breast, lung, and brain. The antibody works for ELISA, western blot, and immunoprecipitation. In addition, mass spectrometry analysis of immunoprecipitates using AM0171 in human MDA-MB-231 cell lysates confirms this antibody only detects Annexin A5 protein.
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-A5 antibody	IP-MS (Immunoprecipitation-MassSpectrometry), ELISA, WB (Western Blot)
Immunogen	Clone M017 was generated from a proprietary antigen related to human Annexin A5 in the MDA-MB-231 breast cancer cell line.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



WB (Western Blot)

Western blot of A431 cell lysate only (lane 1), AM0171 antibody only (lane 2), and AM0171 antibody immunoprecipitate from A431 (lane 3). The blot was probed with mouse monoclonal anti-Annexin A5 antibody (AM0171) at 1:500 (lanes 1-3). The asterisk shows the antibody heavy chain in immunoprecipitates at 50kDa, while Annexin A5 band is observed at 35kDa.



WB (Western Blot)

Western blot of human PC3 cells (lane 1), human breast tissue (lane 2), lung tissue (lane 3), skin tissue (lane 4), and brain tissue (lane 5). The blot was probed with mouse monoclonal anti-Annexin A5 antibody (AM0171) at 1:500 (lanes 1-5).

ADDITIONAL INFORMATION

Related Product Information for anti-A5 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 #	4502107
NCBI GeneID	308
NCBI Accession #	NP_001145.1
NCBI GenBank Nucleotide #	NM_001154.3
UniProt Accession #	P08758; Q6FHB3; Q6FI16; Q8WV69; Q9UDH9; D3DNW7
Molecular Weight	35,937 Da
NCBI Official Full Name	annexin A5
NCBI Official Synonym Full Names	annexin A5
NCBI Official Symbol	ANXA5
NCBI Official Synonym Symbols	PP4; ANX5; ENX2; RPRGL3; HEL-S-7
NCBI Protein Information	annexin A5; CBP-I; PAP-I; VAC-alpha; annexin V; annexin-5; anchorin CII; endonexin II; lipocortin V; calphobindin I; thromboplastin inhibitor; vascular anticoagulant-alpha; epididymis secretory protein Li 7; placental anticoagulant protein 4; placental an
UniProt Protein Name	Annexin A5
UniProt Gene Name	ANXA5
UniProt Synonym Gene Names	ANX5; ENX2; PP4; CBP-I; PP4; PAP-I; VAC-alpha
UniProt Entry Name	ANXA5_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-a5-antibody-clone-m017-immunoprecipitation-massspectrometry-western-blot-elisa/71556>