

ARG11129 anti-Annexin A5 antibody [6A12]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [6A12] recognizes Annexin A5
Tested Reactivity	Hu, Mk
Species Does Not React With	Ms, Rat, Dog, Hrs
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	6A12
Isotype	IgG1
Target Name	Annexin A5
Species	Human
Immunogen	Recombinant full-length Human Annexin A5.
Conjugation	Un-conjugated
Alternate Names	Placental anticoagulant protein 4; PAP-I; Thromboplastin inhibitor; Annexin V; ENX2; Lipocortin V; Anchorin CII; ANX5; Annexin-5; Annexin A5; VAC-alpha; CBP-I; PP4; HEL-S-7; Vascular anticoagulant-alpha; Endonexin II; Placental anticoagulant protein I; RPRGL3; Calphobindin I

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:1000 - 1:2000
	WB	1:2000 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 28 kDa	

Properties

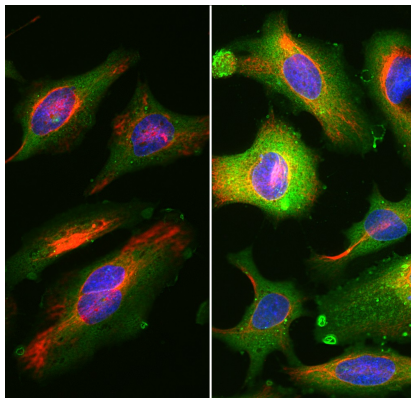
Form	Liquid
Purification	Purified
Buffer	PBS, 5 mM Sodium azide and 50% Glycerol.
Preservative	5 mM Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ANXA5
Gene Full Name	annexin A5
Background	The Annexin 5 gene spans 29 kb containing 13 exons, and encodes a single transcript of approximately 1.6 kb and a protein product with a molecular weight of about 35 kDa. The protein encoded by this gene belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. Annexin 5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel activity and a potential role in cellular signal transduction, inflammation, growth and differentiation. Annexin 5 has also been described as placental anticoagulant protein I, vascular anticoagulant-alpha, endonexin II, lipocortin V, placental protein 4 and anchorin CII. Polymorphisms in this gene have been implicated in various obstetric complications. [provided by RefSeq, Dec 2019]
Function	This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade. [UniProt]
Calculated Mw	36 kDa
PTM	S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex. [UniProt]

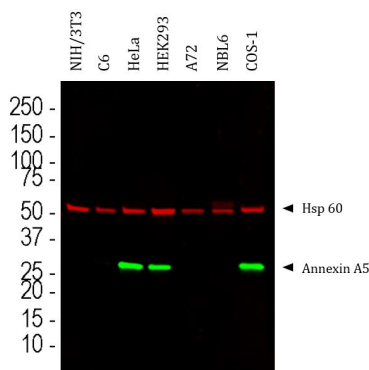
Images



ARG11129 anti-Annexin A5 antibody [6A12] ICC/IF image

Immunofluorescence: HeLa cells stained with ARG11129 anti-Annexin A5 antibody [6A12] (green) at 1:1000 dilution, and co-stained with anti-Vimentin antibody (red) 1:2000 dilution. Hoechst (blue) for nuclear staining.

HeLa cells were grown under normal conditions (left), or treated with 15 mM Pentoxifyline for 24 hours (right). Pentoxifyline activates apoptosis in these cells and also upregulates Annexin A5 expression.



ARG11129 anti-Annexin A5 antibody [6A12] WB image

Western blot: NIH/3T3, C6, HeLa, HEK293, Dog A72, Horse NBL6 and COS-1 cell lysates stained with ARG11129 anti-Annexin A5 antibody [6A12] (green) at 1:2000 dilution. The blot was simultaneously stained with anti-Hsp 60 antibody (red) at 1:5000 dilution.