

ARG11135 anti-Annexin A5 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Annexin A5
Tested Reactivity	Hu, Ms, Rat, Dog, Hrs
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
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	1:2000 - 1:5000
	WB	1:10000 - 1:20000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 31 kDa	

Properties

Form	Liquid
Purification	Affinity 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.

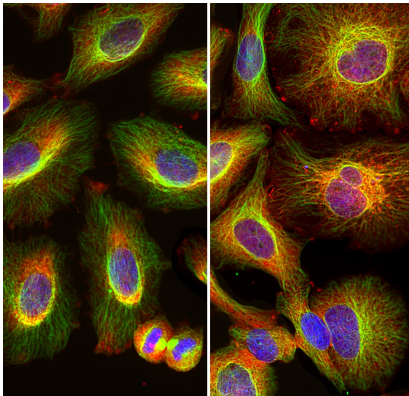
Note

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]

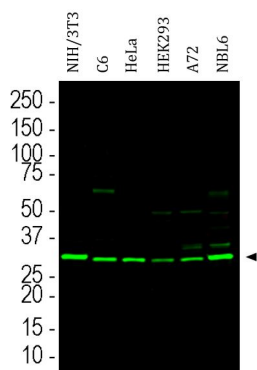
Images



ARG11135 anti-Annexin A5 antibody ICC/IF image

Immunofluorescence: HeLa cells grown under normal conditions (left) or treated with 15 mM Pentoxifyline for 24 hours (right). HeLa cells stained with ARG11135 anti-Annexin A5 antibody (red) at 1:3000 dilution, and co-stained with anti-beta Tubulin antibody (green) at 1:5000 dilution. Hoechst (blue) for nuclear staining.

Annexin A5 is membrane associated and concentrated in blebs, and Pentoxifyline activates apoptosis and upregulates Annexin A5 expression.



ARG11135 anti-Annexin A5 antibody WB image

Western blot: NIH/3T3, C6, HeLa, HEK293, Dog A72 and Horse NBL6 cell lysates stained with ARG11135 anti-Annexin A5 antibody at 1:10000 dilution.