

ARG55785 anti-Annexin A5 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Annexin A5
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Annexin A5
Species	Human
Immunogen	Recombinant protein of Human Annexin V (NP_001145.1)
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

Predict Reactivity Note	Rat						
Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>ICC/IF</td><td>1:50 - 1:200</td></tr><tr><td>WB</td><td>1:500 - 1:2000</td></tr></tbody></table>	Application	Dilution	ICC/IF	1:50 - 1:200	WB	1:500 - 1:2000
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WB	1:500 - 1:2000						
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Positive Control	PC-3						
Observed Size	35 kDa						

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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

Database links [GeneID: 11747 Mouse](#)

[GeneID: 308 Human](#)

[Swiss-port # P08758 Human](#)

[Swiss-port # P48036 Mouse](#)

Gene Symbol ANXA5

Gene Full Name annexin A5

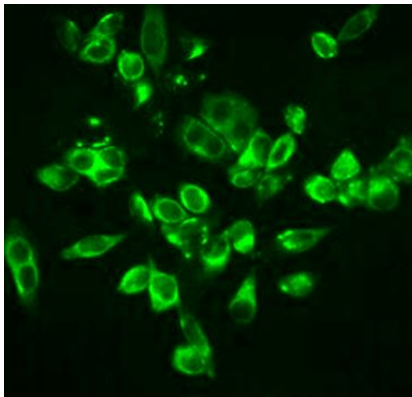
Background The protein encoded by this gene belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. Annexin 5 is a phospholipase A2 and protein kinase C inhibitory protein 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. The 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. [provided by RefSeq, Jul 2008]

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.

Images

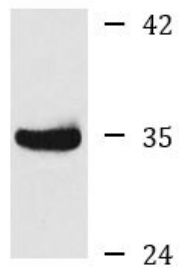


ARG55785 anti-Annexin A5 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG55785 anti-Annexin A5 antibody at 1:100 dilution.

ARG55785 anti-Annexin A5 antibody WB image

Western blot: PC-3 cell lysate stained with ARG55785 anti-Annexin A5 antibody.



PC-3