

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

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|---------------------|---|
| 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. |

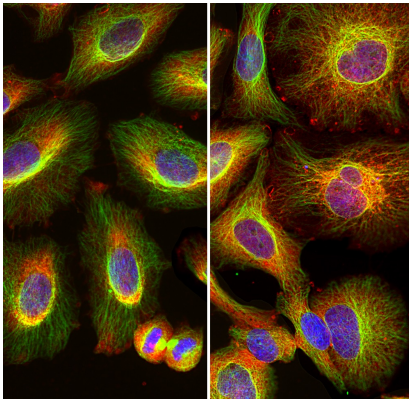
Note

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] |

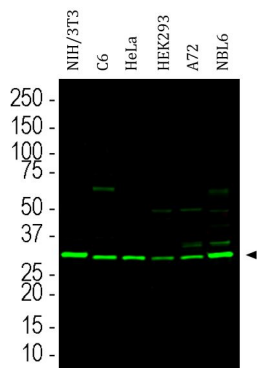
Images



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.