# ARG10540
# anti-Annexin A1 antibody [ANEX 5E4/1]

Package: 100 µg, 50 µg
Store at: -20°C

## Summary

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|---|---|
| Product Description | Mouse Monoclonal antibody [5E4/1] recognizes Annexin A1 |
| Tested Reactivity | Hu |
| Tested Application | ELISA, ICC/IF, IHC, IP, WB |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | ANEX 5E4/1 |
| Isotype | IgG1 |
| Target Name | Annexin A1 |
| Antigen Species | Human |
| Immunogen | Mixture of native membrane proteins from human bone tissues which includes native whole annexin proteins. |
| Conjugation | Un-conjugated |
| Alternate Names | ANX1; LPC1; Annexin I; Annexin-1; Calpactin II; Calpactin-2; Chromobindin-9; Lipocortin I; Phospholipase A2 inhibitory protein; p35 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| ELISA | Assay dependent |
| ICC/IF | Assay dependent |
| IHC | Assay dependent |
| IP | 1 - 2 µg/100–500 µg lysate (in 1ml lysate) |
| WB | Assay dependent |

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| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |
| Positive Control | Endothelial cells |
| Calculated Mw | 39 kDa |

## Properties

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| Form | Liquid |
| Purification | Affinity purified |
| Buffer | PBS and 0.02% Sodium azide |

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|---|---|
| Preservative | 0.02% Sodium azide |
| Concentration | 0.9 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 or below. 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

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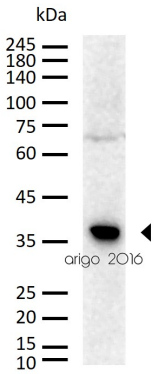
|---|---|
| Gene Symbol | ANXA1 |
| Gene Full Name | annexin A1 |
| Background | This gene encodes a membrane-localized protein that binds phospholipids. This protein inhibits phospholipase A2 and has anti-inflammatory activity. Loss of function or expression of this gene has been detected in multiple tumors. [provided by RefSeq, Dec 2014] |
| Function | Annexin A1 Plays important roles in the innate immune response as effector of glucocorticoid-mediated responses and regulator of the inflammatory process. Has anti-inflammatory activity (PubMed:8425544). Promotes resolution of inflammation and wound healing (PubMed:25664854). Functions at least in part by activating the formyl peptide receptors and downstream signaling cascades (PubMed:15187149, PubMed:25664854). Promotes chemotaxis of granulocytes and monocytes via activation of the formyl peptide receptors (PubMed:15187149). Contributes to the adaptive immune response by enhancing signaling cascades that are triggered by T-cell activation, regulates differentiation and proliferation of activated T-cells (PubMed:17008549). Promotes the differentiation of T-cells into Th1 cells and negatively regulates differentiation into Th2 cells (PubMed:17008549). . Promotes rearrangement of the actin cytoskeleton, cell polarization and cell migration (PubMed:15187149). Negatively regulates hormone exocytosis via activation of the formyl peptide receptors and reorganization of the actin cytoskeleton (PubMed:19625660). Has high affinity for Ca2+ and can bind up to eight Ca2+ ions (By similarity). Displays Ca2+-dependent binding to phospholipid membranes (PubMed:2532504, PubMed:8557678). [provide by Uniprot] |
| Research Area | Signaling Transduction antibody |

## Images




ARG10540 anti-Annexin A1 antibody [ANEX 5E4/1] WB image

Western blot: 30 µg of HeLa cell lysate stained with ARG10540 anti-Annexin A1 antibody [ANEX 5E4/1] at 1:500 dilution.