

Annexin A1 polyclonal antibody

Catalog: BS90057

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Plays important roles in the innate immune response as effector of glucocorticoid-mediated responses and regulator of the inflammatory process. Has anti-inflammatory activity. Plays a role in glucocorticoid-mediated down-regulation of the early phase of the inflammatory response. Promotes resolution of inflammation and wound healing. Functions at least in part by activating the formyl peptide receptors and downstream signaling cascades. Promotes chemotaxis of granulocytes and monocytes via activation of the formyl peptide receptors. 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. Promotes the differentiation of T-cells into Th1 cells and negatively regulates differentiation into Th2 cells. Has no effect on unstimulated T cells. Promotes re-arrangement of the actin cytoskeleton, cell polarization and cell migration. Negatively regulates hormone exocytosis via activation of the formyl peptide receptors and reorganization of the actin cytoskeleton. Has high affinity for Ca²⁺ and can bind up to eight Ca²⁺ ions. Displays Ca²⁺-dependent binding to phospholipid membranes. Plays a role in the formation of phagocytic cups and phagosomes. Plays a role in phagocytosis by mediating the Ca²⁺-dependent interaction between phagosomes and the actin cytoskeleton.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

39 kDa

Swiss-Prot:

P04083 Human;P10107 Mouse;P07150 Rat

Purification&Purity:

Protein affinity purified.

Applications:

WB:1:500-1:2,000

ICC:1:50-1:200

IHC:1:200

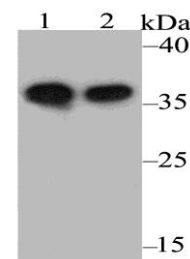
Storage&Stability:

Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

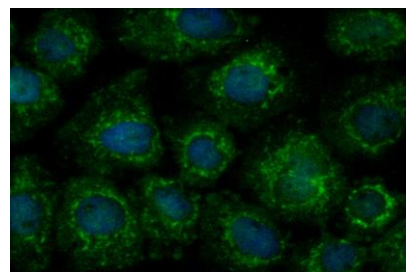
Specificity:

Annexin A1 polyclonal antibody detects endogenous levels of Annexin A1 protein.

DATA:



Western blot analysis of Annexin A1 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody was used at a 1:500 dilution in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: A431 cell lysate Lane 2: Rat uterus tissue lysate



ICC staining Annexin A1 in A431 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with Annexin A1 polyclonal anti-

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PRODUCT DATA SHEET

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body at a dilution of 1:200 for at least 1 hour at room temperature, washed with PBS. Alexa Fluor® 488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter

stain is DAPI (blue).

Note:

For research use only, not for use in diagnostic procedure.

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