

## Anti-Annexin A1/ANXA1 Rabbit Monoclonal Antibody

### Introduction

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). Plays a role in glucocorticoid-mediated down-regulation of the early phase of the inflammatory response . 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). Has no effect on unstimulated T 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 Ca<sup>2+</sup> and can bind up to eight Ca<sup>2+</sup> ions . Displays Ca<sup>2+</sup>-dependent binding to phospholipid membranes (PubMed:2532504, PubMed:8557678). Plays a role in the formation of phagocytic cups and phagosomes. Plays a role in phagocytosis by mediating the Ca<sup>2+</sup>-dependent interaction between phagosomes and the actin cytoskeleton .

### Product parameters

|                   |  |
|-------------------|--|
| Alternative Names | ANXA1; ANX1; LPC1; Annexin A1; Annexin I; Annexin-1; Calpactin II; Calpactin-2; Chromobindin-9; Lipocortin I; Phospholipase A2 inhibitory protein; p35 |
| Gene ID           | 301  |
| Gene Name         | ANXA1  |
| SwissProt ID      | P04083   |
| Host              | Rabbit   |
| Reactivity        | Human, Mouse, Rat  |
| Molecular Weight  | Calculated MW: 39 kDa; Observed MW: 39 kDa   |
| Conjugation       | Unconjugated   |
| Ex                | -  |
| Em                | -  |
| Modification      | Unmodified   |
| Clonality         | IgG  |

|                    |  |
|--------------------|--|
| Isotype            | Monoclonal Antibody  |
| Clonality No.      | AP-14F7F4  |
| Form               | Liquid   |
| Concentration      | See label  |
| Carrier            | Carrier Not Free   |
| Immunogen          | Peptide  |
| Purification       | Affinity Purified  |
| Buffer System      | Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| Application        | WB   |
| Dilution Ratio     | WB: 1/500-1/1000   |
| Research Field     | Signal Transduction  |
| Product Categories | Primary antibody   |
| Shipping           | Blue ice   |
| Storage            | -20°C  |
| Expiration Date    | 12 months  |
| Note               | Please avoid freeze-thaw cycles.   |

## Protocol

Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.





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