

# Anti-AAMP Picoband Antibody

Catalog # ABO11825

## Product Information

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| <b>Application</b>       | WB, IHC-P                                                                                                                   |
| <b>Primary Accession</b> | <a href="#">P55774</a>                                                                                                      |
| <b>Host</b>              | Rabbit                                                                                                                      |
| <b>Reactivity</b>        | Human                                                                                                                       |
| <b>Clonality</b>         | Polyclonal                                                                                                                  |
| <b>Format</b>            | Lyophilized                                                                                                                 |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for Angio-associated migratory cell protein(AAMP) detection. Tested with WB, IHC-P in Human. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                        |

## Additional Information

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| <b>Gene ID</b>                  | 6362                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Other Names</b>              | C-C motif chemokine 18, Alternative macrophage activation-associated CC chemokine 1, AMAC-1, CC chemokine PARC, Dendritic cell chemokine 1, DC-CK1, Macrophage inflammatory protein 4, MIP-4, Pulmonary and activation-regulated chemokine, Small-inducible cytokine A18, CCL18(1-68), CCL18(3-69), CCL18(4-69), CCL18, AMAC1, DCCK1, MIP4, PARC, SCYA18                                                                                                                      |
| <b>Calculated MW</b>            | 9849                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Application Details</b>      | Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human                                                                                                                                                                                                                                                                                                                                                            |
| <b>Subcellular Localization</b> | Secreted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Tissue Specificity</b>       | Expressed at high levels in lung, lymph nodes, placenta, bone marrow, dendritic cells present in germinal centers and T-cell areas of secondary lymphoid organs and macrophages derived from peripheral blood monocytes. Not expressed by peripheral blood monocytes and a monocyte-to-macrophage differentiation is a prerequisite for expression. Expressed in synovial fluids from patients with rheumatoid and septic arthritis and in ovarian carcinoma ascitic fluid. . |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Name</b>             | Angio-associated migratory cell protein                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                                                                                                                                                                                                                                                                                                           |

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|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>             | E.coli-derived human AAMP recombinant protein (Position: E235-R434).                                                                                                               |
| <b>Purification</b>          | Immunogen affinity purified.                                                                                                                                                       |
| <b>Cross Reactivity</b>      | No cross reactivity with other proteins                                                                                                                                            |
| <b>Storage</b>               | At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |
| <b>Sequence Similarities</b> | Contains 8 WD repeats.                                                                                                                                                             |

## Protein Information

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| <b>Name</b>              | CCL18                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>          | AMAC1, DCCK1, MIP4, PARC, SCYA18                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Function</b>          | Chemotactic factor that attracts lymphocytes but not monocytes or granulocytes. May be involved in B-cell migration into B- cell follicles in lymph nodes. Attracts naive T-lymphocytes toward dendritic cells and activated macrophages in lymph nodes, has chemotactic activity for naive T-cells, CD4+ and CD8+ T-cells and thus may play a role in both humoral and cell-mediated immunity responses.                                                                  |
| <b>Cellular Location</b> | Secreted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Tissue Location</b>   | Expressed at high levels in lung, lymph nodes, placenta, bone marrow, dendritic cells present in germinal centers and T-cell areas of secondary lymphoid organs and macrophages derived from peripheral blood monocytes. Not expressed by peripheral blood monocytes and a monocyte-to-macrophage differentiation is a prerequisite for expression. Expressed in synovial fluids from patients with rheumatoid and septic arthritis and in ovarian carcinoma ascitic fluid |

## Background

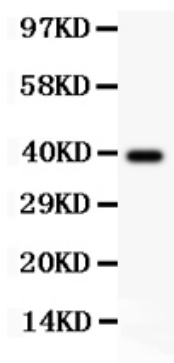
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AAMP, also known as Angio-associated, migratory cell protein, is a protein which in humans is encoded by the AAMP gene. It is mapped to 2q35. The gene product of AAMP is an immunoglobulin-type protein, which is found to be expressed strongly in endothelial cells, cytotrophoblasts, and poorly differentiated colon adenocarcinoma cells found in lymphatics. It has been demonstrated that an AAMP peptide containing the putative heparan sulfate-binding domain binds to heparin and mediates heparin-sensitive cell adhesion. AAMP plays a role in angiogenesis and cell migration. In smooth muscle cell migration, it may act through the RhoA pathway.

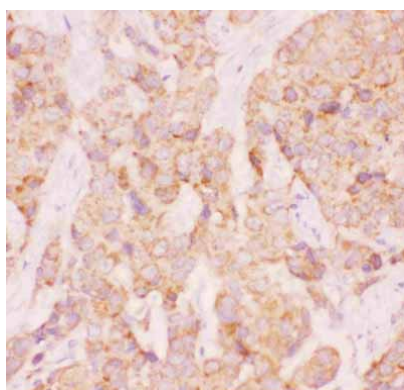
## Images

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Anti-AAMP Picoband antibody, ABO11825-1.jpg  
 All lanes:  
 Anti AAMP (ABO11825) at 0.5ug/ml  
 WB: Recombinant Human AAMP Protein 0.5ng  
 Predicted bind size: 39KD  
 Observed bind size: 39KD



Anti-AAMP Picoband antibody, ABO11825-2.jpg All lanes:  
 Anti AAMP (ABO11825) at 0.5ug/ml Lane 1: A431 Whole  
 Cell Lysate at 40ug Lane 2: HELA Whole Cell Lysate at  
 40ug Lane 3: HEPG2 Whole Cell Lysate at 40ug Lane 4:  
 MCF-7 Whole Cell Lysate at 40ug Predicted bind size: 47KD  
 Observed bind size: 47KD



Anti-AAMP Picoband antibody, ABO11825-3.JPG IHC(P):  
 Human Mammary Cancer Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.