

## Rabbit MCP-1 Polyclonal Antibody | anti-MCP-1 antibody

MCP-1 Polyclonal Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA178751</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

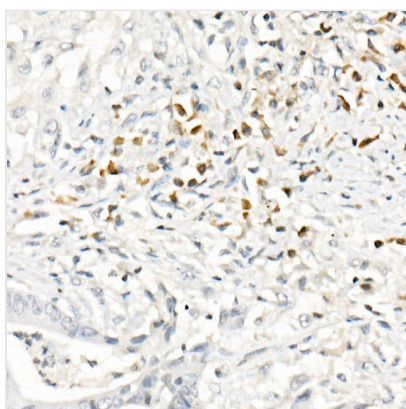
### PRODUCT SYNONYMS

MCP-1; Polyclonal Antibody; MCP-1 Polyclonal Antibody; CCL2; GDCF-2; HC11; HSMCR30; MCAF; MCP1; SCYA2; SMC-CF; anti-MCP-1 antibody

### PRODUCT SPECIFICATIONS

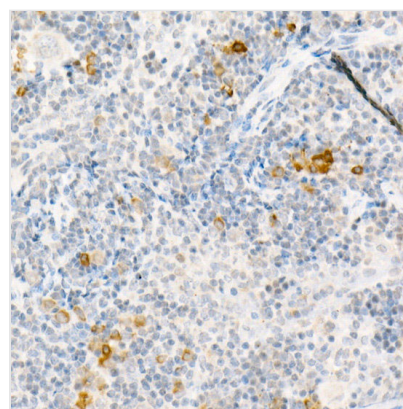
|                                                 |                                                           |
|-------------------------------------------------|-----------------------------------------------------------|
| Host                                            | Rabbit                                                    |
| Reactivity                                      | Human, Mouse, Rat                                         |
| Clonality                                       | Polyclonal                                                |
| Isotype                                         | IgG                                                       |
| Purity/Purification                             | Affinity purification                                     |
| Form/Format                                     | PBS with 0.05% proclin300,50% glycerol,pH7.3.             |
| Concentration                                   | 1mg/mL (varies by lot)                                    |
| Applicable Applications for anti-MCP-1 antibody | IHC (Immunohistochemistry), WB (Western Blot)             |
| Immunogen                                       | Recombinant fusion protein of human MCP-1                 |
| Research Area                                   | Cancer, Cardiovascular, Metabolism, Immunology            |
| Preparation and Storage                         | Storage: -20 degree C/One year. Avoid freeze/thaw cycles. |

### IMAGES



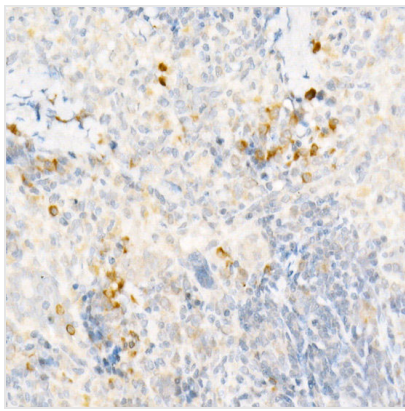
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human colon carcinoma using CCL2/MCP-1 Polyclonal antibody at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



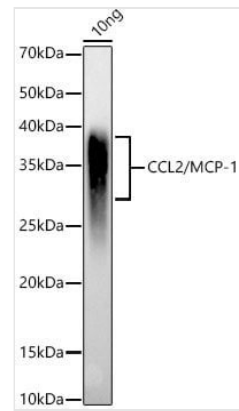
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse spleen using CCL2/MCP-1 Polyclonal antibody at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



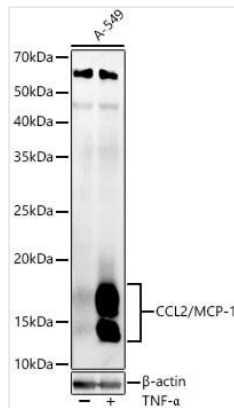
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat spleen using CCL2/MCP-1 Polyclonal antibody at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



#### WB (Western Blot)

Western blot analysis of various lysates using CCL2/MCP-1 Polyclonal Antibody at 1:2000 dilution.



#### WB (Western Blot)

Western blot analysis of A-549 using CCL2/MCP-1 Polyclonal Antibody at 1:2000 dilution. A-549 cells were treated by TNF- $\alpha$  (20 ng/ml) at 37 $^{\circ}$ C for 30 minutes after serum-starvation overnight.

## ADDITIONAL INFORMATION

#### Related Product Information for anti-MCP-1 antibody

This gene is one of several cytokine genes clustered on the q-arm of chromosome 17. Chemokines are a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is member of the CC subfamily which is characterized by two adjacent cysteine residues. This cytokine displays chemotactic activity for monocytes and basophils but not for neutrophils or eosinophils. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors CCR2 and CCR4.

#### Product Categories/Family for anti-MCP-1 antibody

[Antibodies](#); [Primary Antibodies](#); [Polyclonal Antibody](#)

## NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 545465                         |
| NCBI GeneID                      | 6347                           |
| UniProt Accession #              | P13500; Q9UDF3; B2R4V3         |
| Molecular Weight                 | 11,025 Da                      |
| NCBI Official Full Name          | MCP-1                          |
| NCBI Official Synonym Full Names | chemokine (C-C motif) ligand 2 |

|                                      |                                                                                                                                                                                                                                                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Official Symbol</b>          | CCL2                                                                                                                                                                                                                                                            |
| <b>NCBI Official Synonym Symbols</b> | HC11; MCAF; MCP1; MCP-1; SCYA2; GDCF-2; SMC-CF; HSMCR30                                                                                                                                                                                                         |
| <b>NCBI Protein Information</b>      | C-C motif chemokine 2; small-inducible cytokine A2; monocyte secretory protein JE; monocyte chemotactic protein 1; monocyte chemoattractant protein 1; monocyte chemoattractant protein-1; monocyte chemotactic and activating factor; small inducible cytokine |
| <b>UniProt Protein Name</b>          | C-C motif chemokine 2                                                                                                                                                                                                                                           |
| <b>UniProt Gene Name</b>             | <b>CCL2</b>                                                                                                                                                                                                                                                     |
| <b>UniProt Synonym Gene Names</b>    | MCP1; SCYA2; MCAF; MCP-1                                                                                                                                                                                                                                        |
| <b>UniProt Entry Name</b>            | CCL2_HUMAN                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mcp-1-antibody-immunohistochemistry-western-blot-elisa/178751>