10320 Camino Santa Fe, Suite G
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MCP-1 Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11577

Specification

MCP-1 Antibody - Product Information

Application	**WB**
Primary Accession	P13500
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**11025**

MCP-1 Antibody - Additional Information

Gene ID 6347

Other Names
MCP1, MCP-1, MCP 1, monocyte chemoattracctant protein-1, monocyte chemoattracctant protein 1, monocyte chemoattracctant protein

Target/Specificity
MCP-1/MCAF

Formulation
100 µg (0.5 mg/ml) rabbit anti-human MCP-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Background Descriptions

Precautions
MCP-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MCP-1 Antibody - Protein Information

Name CCL2

Synonyms MCP1, SCYA2

Function
Acts as a ligand for C-C chemokine receptor CCR2 (PubMed:9837883, PubMed:10587439, PubMed:<a

href="http://www.uniprot.org/citations/10529171" target="_blank">10529171). Signals through binding and activation of CCR2 and induces a strong chemotactic response and mobilization of intracellular calcium ions (PubMed:9837883, PubMed:10587439). Exhibits a chemotactic activity for monocytes and basophils but not neutrophils or eosinophils (PubMed:8627182, PubMed:9792674, PubMed:8195247). May be involved in the recruitment of monocytes into the arterial wall during the disease process of atherosclerosis (PubMed:8107690).

Cellular Location
Secreted

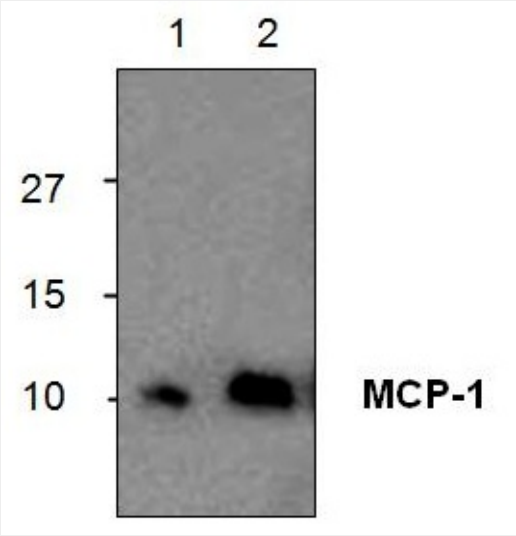
Tissue Location
Expressed in the seminal plasma, endometrial fluid and follicular fluid (at protein level) (PubMed:23765988). Expressed in monocytes (PubMed:2513477).

MCP-1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MCP-1 Antibody - Images



Western blot analysis of MCP-1 using recombinat human MCP-1. Lane1: 50ng; Lane2: 250ng.

MCP-1 Antibody - Background

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Human macrophage/monocyte chemotactic and activating factor (MCAF), also called human monocyte chemotactic protein-1 (MCP-1), is an 8.6 kDa protein containing 76 amino acid residues. It plays an important role in the inflammatory response of blood monocytes and tissue microphages.

MCP-1 Antibody - Citations

- Monocyte chemoattractant protein 1 released from macrophages induced by hepatitis C virus promotes monocytes migration.