

Basic Information

Product Name	Anti-MCP-1/CCL2 Antibody
Gene Name	CCL2
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS , 0.02% Na ₂ S ₂ O ₃ , 1 mg BSA
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human MCP1(24-36aa QPDAINAPVTCCY), different from the mouse and rat sequences by two amino acids.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	11KD
Dilution Ratios	Western blot(WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Monocyte chemoattractant protein-1(MCP-1), a member of the chemokine(chemotactic cytokine) family, is a potent monocyte agonist that is upregulated by oxidized lipids. MCP-1 is also known as CCL2, SCYA2, MCAF. MCAF is a member of family of factors involved in immune and inflammatory responses. The amino acid sequence deduced from the nucleotide sequence reveals the primary structure of the MCAF precursor to be composed of a putative signal peptide sequence of 23 amino acid residues and a mature MCAF sequence of 76 amino acid residues. MCP-1 plays a unique and crucial role in the initiation of atherosclerosis and may provide a new therapeutic target in this disorder. Human MCP-1 is a 8.7KDa non-glycoprotein, consisting of 99 amino acids in precursor form and 76 amino acids in mature form.

Reference

Anti-MCP-1/CCL2 Antibody 被引用在3文献中。

Selected Validation Data



Figure 1. Western blot analysis of anti- CCL2 Antibody (BA1843-2).

The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: rat thymus tissue lysates,

Lane 2: MCF-7 whole cell lysates,

Lane 3: Raji whole cell lysates,

Lane 4: Colo320 whole cell lysates.

Use rabbit anti- CCL2 1:1000, probed with a goat anti-rabbit IgG-

HRP secondary antibody. The signal is developed using an

Enhanced Chemiluminescent detection (ECL) kit (Catalog #

EK1002). A specific band was detected for CCL2 at approximately

25KD. The expected band size for CCL2 is at 11KD.