Product datasheet

Anti-MCP-1/CCL2 Antibody

Catalog Number: *PB0646*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-MCP-1/CCL2 Antibody
Gene Name	CCL2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human MCP-1 recombinant protein (Position: Q24-T99). Human MCP-1 shares 60.9% and 59.4% amino acid (aa) sequence identity with mouse and rat MCP-1, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	11,25 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

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

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Anti-MCP-1/CCL2 Antibody 被引用在16文献中。

Selected Validation Data

Western blot analysis of MCP-1/CCL2 using anti-MCP-1/CCL2 antibody (PB0646). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: SW620 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-MCP-1/CCL2 antigen affinity purified polyclonal antibody (PB0646) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for MCP-1/CCL2 at approximately 11,25 kDa. The expected band size for MCP-1/CCL2 is at 11 kDa.

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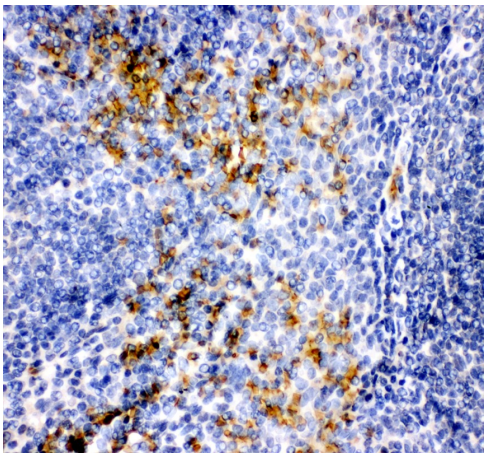

IHC analysis of MCP-1/CCL2 using anti-MCP-1/CCL2 antibody (PB0646) . MCP-1/CCL2 was detected in a paraffin-embedded section of human tonsil tissue. The tissue section was incubated with rabbit anti-MCP-1/CCL2 Antibody (PB0646) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.