

<b>Cat. No:</b>	AB-80184
<b>Size:</b>	100µg
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 24-99 of human MCP-1
<b>Reactivity:</b>	Hu, Ms
<b>Applications:</b>	Western Blot: 1:500 - 1:2000 Immunohistochemistry 1:100 - 1:200 Immunofluorescence: 1:50 - 1:100
<b>Molecular Weight:</b>	11kDa
<b>Purification:</b>	Aff. Pur.
<b>Synonyms:</b>	CCL2;GDCF-2;HC11;HSMCR30;MCAF;MCP-1;MCP1;SCYA2 ;SMC-CF
<b>Background:</b>	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 a 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
<b>Form:</b>	Liquid
<b>Buffer:</b>	PBS with 0.02% sodium azide,50% glycerol,pH7.3
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles



Western blot analysis of extracts of various cell lines, using CCL2 antibody at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Wes Pico Plus.  
Exposure time: 10s.



Immunohistochemistry of paraffin embedded human colon using CCL2; antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U-2 OS cells using CCL2; antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using CCL2;antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Review for CCL2;Rabbit Experiment Typemmunofluorescence (IF) Samplerat brain cells

Description Immunofluorescence  
analysis of rat brain cells using antibody  
at 1:50 dilution. The positive signal is  
Golgi staining.

## **References**

Product: CCL2;Rabbit pAb  
Journal:tumor biology  
Application:WB IF:3.649  
Species:Homo sapiens PMID: 28347237  
Title: Specific tumor-derived CCL2 mediated by pyruvate kinase M2 in colorectal cancer cells contributes to macrophage recruitment in tumor microenvironment

Product: CCL2;Rabbit pAb  
Journal:Vascular Pharmacology  
Application:WB IF:.715  
Species:Mus musculus  
PMID:28069546  
Title: G004, a synthetic sulfonylurea compound, exerts anti-atherosclerosis effects by targeting SIRT1 in ApoE(-/-) mice  
References for MCP-1 Rabbit pAb

Product: CCL2; Rabbit pAb  
Journal:Bioscience reports  
Application:WB, IHC  
IF:2.89 Species:  
Rattus norvegicus PMID:  
30760630 Title:Increase of glandular epithelial cell clusters by an external volume expansion device promotes adipose tissue regeneration by recruiting macrophages.

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