

CCR1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10302**Specification**

CCR1 Antibody - Product Information

Application	WB
Primary Accession	P32246
Reactivity	Human, Mouse, Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41173

CCR1 Antibody - Additional Information**Gene ID** 1230**Application & Usage**

Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. The anti-CCR1 antibody recognizes 42 kDa human and monkey CCR1 and in a lesser extent the mouse CCR1 in Western blot analysis.

Other Names

CMKBR1 , CMKR1 , CD191 , CKR-1 , HM145 , MIP1aR , C-C chemokine receptor type 1

Target/Specificity

CCR1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

CCR1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CCR1 Antibody - Protein Information

Name CCR1

Synonyms CMKBR1, CMKR1, SCYAR1

Function

Receptor for a C-C type chemokine. Binds to MIP-1-alpha, MIP- 1-delta, RANTES, and MCP-3 and, less efficiently, to MIP-1-beta or MCP- 1 and subsequently transduces a signal by increasing the intracellular calcium ions level. Responsible for affecting stem cell proliferation.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

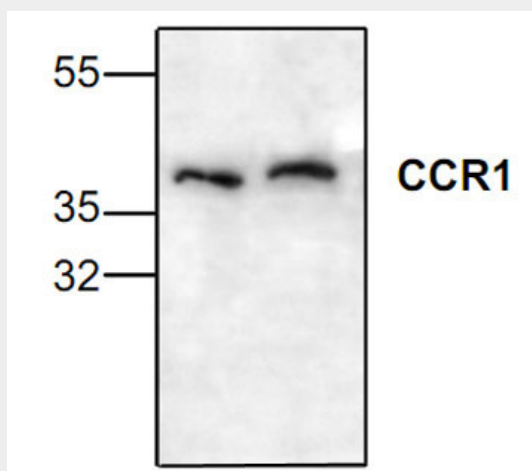
Widely expressed in different hematopoietic cells.

CCR1 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 Cytometry](#)
- [Cell Culture](#)

CCR1 Antibody - Images



Western blot analysis of CCR1 in Jurkat cell lysate.

CCR1 Antibody - Background

Chemokines play an important role in inflammation and are critical for the recruitment of effector immune cells to sites of infection. Chemokines activate leukocytes by binding to G protein coupled receptors. The ever-growing chemokine receptor subtypes can be divided into 2 major groups, CXCR and CCR, based on the 2 major classes of chemokines. One of the CCR receptors, CCR1, is expressed on neutrophils, monocytes, lymphocytes, and eosinophils and binds the leukocyte chemoattractant and hemopoiesis regulator macrophage-inflammatory protein (MIP-1), eotaxin, as well as several other related chemokines. Mice lacking the chemokine receptor CCR1 have defects in neutrophil trafficking and proliferation.