

# CCR1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP21344b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P32246</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB52859
<b>Calculated MW</b>	41173

## Additional Information

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<b>Gene ID</b>	1230
<b>Other Names</b>	C-C chemokine receptor type 1, C-C CKR-1, CC-CKR-1, CCR-1, CCR1, HM145, LD78 receptor, Macrophage inflammatory protein 1-alpha receptor, MIP-1alpha-R, RANTES-R, CD191, CCR1, CMKBR1, CMKR1, SCYAR1
<b>Target/Specificity</b>	This CCR1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 343-375 amino acids from the C-terminal region of human CCR1.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	CCR1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CCR1
<b>Synonyms</b>	CMKBR1, CMKR1, SCYAR1
<b>Function</b>	Chemokine receptor that plays a crucial role in regulating immune cell migration, inflammation, and immune responses (PubMed: <a href="#">14991608</a> ).

Contributes to the inflammatory response by recruiting immune cells, such as monocytes, macrophages, T-cells, and dendritic cells, to sites of inflammation for the clearance of pathogens and the resolution of tissue damage. When activated by its ligands including CCL3, CCL5-9, CCL13-16 and CCL23, triggers a signaling cascade within immune cells, leading to their migration towards the source of the chemokine (PubMed:[15905581](#), PubMed:[38417634](#)). For example, mediates neutrophil migration after activation by CCL3 leading to the sequential release of TNF and leukotriene B4 (By similarity). Also mediates monocyte migration upon CXCL4 binding (PubMed:[29930254](#)). Activation by CCL5 results in neuroinflammation through the ERK1/2 signaling pathway (By similarity).

**Cellular Location** Cell membrane; Multi-pass membrane protein

**Tissue Location** Widely expressed in different hematopoietic cells.

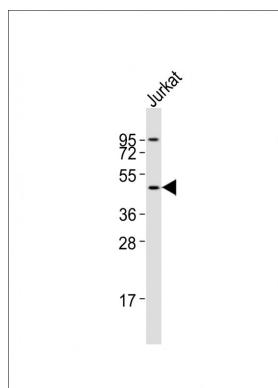
## Background

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.

## References

Neote K.,et al.Cell 72:415-425(1993).  
Gao J.-L.,et al.J. Exp. Med. 177:1421-1427(1993).  
Nomura H.,et al.Int. Immunol. 5:1239-1249(1993).  
Ko J.,et al.FASEB J. 18:890-892(2004).  
Sung H.J.,et al.Exp. Mol. Med. 40:332-338(2008).

## Images



Anti-CCR1 Antibody (C-term) at 1:2000 dilution + Jurkat whole cell lysates Lysates/proteins at 20  $\mu$ g per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 41 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.