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CKR-1 Polyclonal Antibody
Catalog # AP74124

Specification

CKR-1 Polyclonal Antibody - Product Information

Application	**IHC**
Primary Accession	P32246
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

CKR-1 Polyclonal Antibody - Additional Information

Gene ID 1230

Other Names
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) (CD antigen CD191)

Dilution
IHC~~IHC-p 1:50-200, ELISA 1:10000-20000

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

CKR-1 Polyclonal Antibody - Protein Information

Name CCR1

Synonyms CMKBR1, CMKR1, SCYAR1

Function
Chemokine receptor that plays a crucial role in regulating immune cell migration, inflammation, and immune responses (PubMed:14991608). 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). For example, mediates neutrophil migration after activation by CCL3 leading to the sequential release of TNF-alpha and leukotriene B4 (By similarity). Mediates also 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

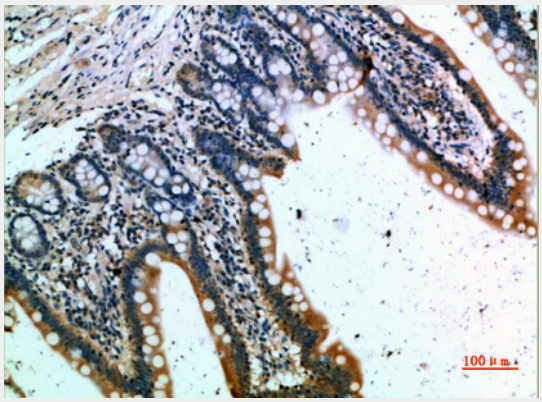
Tissue Location
Widely expressed in different hematopoietic cells.

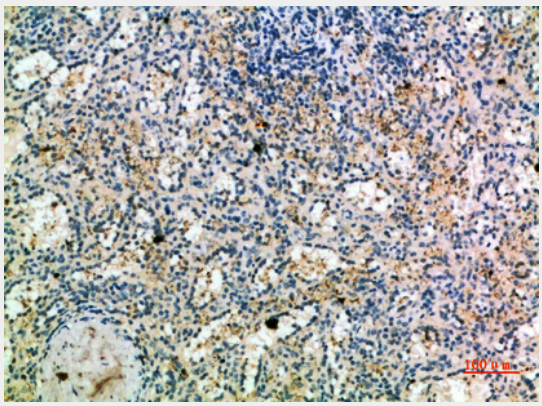
CKR-1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CKR-1 Polyclonal Antibody - Images





CKR-1 Polyclonal Antibody - Background

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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.