

Basic Information

Product Name	Anti-CCR1 Antibody
Gene Name	CCR1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived mouse CCR1 recombinant protein (Position: A168-T339). Mouse CCR1 shares 76.5% amino acid (aa) sequence identity with human CCR1.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	41 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

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

Background Information

C-C chemokine receptor type 1 is a protein that in humans is encoded by the CCR1 gene. This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The ligands of this receptor include macrophage inflammatory protein 1 alpha (MIP-1 alpha), regulated on activation normal T expressed and secreted protein (RANTES), monocyte chemoattractant protein 3 (MCP-3), and myeloid progenitor inhibitory factor-1 (MPIF-1). Chemokines and their receptors mediated signal transduction are critical for the recruitment of effector immune cells to the site of inflammation. Knockout studies of the mouse homolog suggested the roles of this gene in host protection from inflammatory response, and susceptibility to virus and parasite.

Reference

Anti-CCR1 Antibody 被引用在2文献中。

Selected Validation Data



Western blot analysis of CCR1 using anti-CCR1 antibody (A01896-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat PC-12 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CCR1 antigen affinity purified polyclonal antibody (A01896-1) 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 CCR1 at approximately 41 kDa. The expected band size for CCR1 is at 41 kDa.