

## Basic Information

<b>Product Name</b>	Anti-CCR9 Antibody
<b>Gene Name</b>	CCR9
<b>Source</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human
<b>Tested Application</b>	WB
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence at the N-terminus of human CCR9.
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Immunogen affinity purified.
<b>Observed MW</b>	45 kDa
<b>Dilution Ratios</b>	Western blot (WB):1:500-2000

## Storage

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

## Background Information

C-C chemokine receptor type 9, also called GPR-9-6 or CDw199, is a protein that in humans is encoded by the CCR9 gene. The protein encoded by this gene is a member of the beta chemokine receptor family. By radiation hybrid analysis and organization of BAC contigs by FISH on combed genomic DNA, the CCR9 gene within the CCR cluster was localized at 3p21.3. It is the receptor for chemokine SCYA25/TECK. This gene subsequently transduces a signal by increasing the intracellular calcium ions level. It is an alternative coreceptor with CD4 for HIV-1 infection. This gene may play a role in the thymocytes recruitment and development that may permit functional specialization of immune responses in different segment of the gastrointestinal tract.

## Selected Validation Data



Western blot analysis of CCR9 using anti-CCR9 antibody (BA3125-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: JURKAT whole cell lysates,

Lane 2: HEPA whole cell lysates,

Lane 3: SMMC whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-CCR9 antigen

affinity purified polyclonal antibody (BA3125-2) 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 CCR9 at approximately 45 kDa. The expected band size for CCR9 is at 42 kDa.