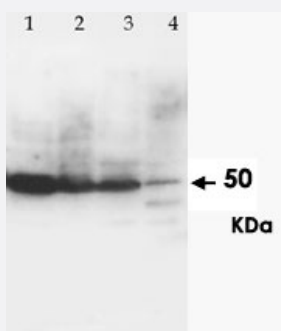


CCR6 polyclonal antibody

Catalog # PAB12270

Size 100 ug

Applications



Western Blot

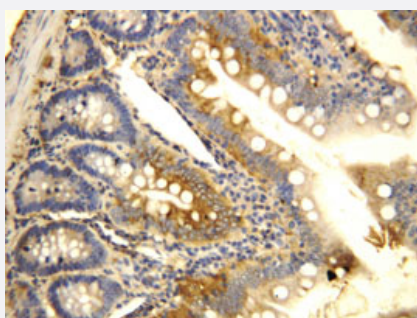
Western Blot analysis of CCR6 expression from cell and tissue extracts with CCR6 polyclonal antibody (Cat # PAB12270).

Lane 1 : rat thymus tissue lystae.

Lane 2 : MCF-7 whole cell lysate.

Lane 3 : HeLa whole cell lysate.

Lane 4 : smmc cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of CCR6 on formalin fixed, paraffin embedded rat intestine with CCR6 polyclonal antibody (Cat # PAB12270).

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of CCR6.

Immunogen

A synthetic peptide corresponding to amino acids at N-terminus of human CCR6.

Host

Rabbit

Theoretical MW (kDa)

42.4

Reactivity

Human, Mouse, Rat

Specificity

Identical to the related rat and mouse sequence.

Form

Lyophilized

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (0.75 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of CCR6 expression from cell and tissue extracts with CCR6 polyclonal antibody (Cat # PAB12270).

Lane 1 : rat thymus tissue lysate.

Lane 2 : MCF-7 whole cell lysate.

Lane 3 : HeLa whole cell lysate.

Lane 4 : smmc cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of CCR6 on formalin fixed, paraffin embedded rat intestine with CCR6 polyclonal antibody (Cat # PAB12270).

Gene Info — CCR6

Entrez GeneID	1235
Gene Name	CCR6
Gene Alias	BN-1, CD196, CKR-L3, CKR6, CKRL3, CMKBR6, DCR2, DRY-6, GPR-CY4, GPR29, GPRCY4, STRL22
Gene Description	chemokine (C-C motif) receptor 6
Omim ID	601835
Gene Ontology	Hyperlink

Gene Summary

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 gene is preferentially expressed by immature dendritic cells and memory T cells. The ligand of this receptor is macrophage inflammatory protein 3 alpha (MIP-3 alpha). This receptor has been shown to be important for B-lineage maturation and antigen-driven B-cell differentiation, and it may regulate the migration and recruitment of dendritic and T cells during inflammatory and immunological responses. Alternatively spliced transcript variants that encode the same protein have been described for this gene. [provided by RefSeq]

Other Designations

G protein-coupled receptor 29|OTTHUMP00000017618|OTTHUMP00000017619|chemokine (C-C) receptor 6|chemokine receptor-like 3|seven-transmembrane receptor, lymphocyte, 22

Publication Reference

- [Keratinocyte transglutaminase 2 promotes CCR6+ \$\gamma\delta\$ T-cell recruitment by upregulating CCL20 in psoriatic inflammation.](#)

Ji-Woong Shin, Mee-Ae Kwon, Jinha Hwang, Seok-Jin Lee, Jin-Haeng Lee, Hyo-Jun Kim, Ki Baek Lee, Soo-Jin Lee, Eui Man Jeong, Jin Ho Chung, In-Gyu Kim.

Cell Death & Disease 2020 Apr; 11(4):301.

Application: IF, IHC-P, Mouse, Mouse skin tissues

- [Up-regulation of macrophage inflammatory protein-3 alpha/CCL20 and CC chemokine receptor 6 in psoriasis.](#)

Honey B, Dieu-Nosjean MC, Wiesenborn A, Massacrier C, Pin JJ, Oldham E, Catron D, Buchanan ME, Muller A, deWaal Malefyt R, Deng G, Orozco R, Ruzicka T, Lehmann P, Lebecque S, Caux C, Zlotnik A.

The Journal of Immunology 2000 Jun; 164(12):6621.

Application: Flow Cyt, Human, T cells

- [Cloning of STRL22, a new human gene encoding a G-protein-coupled receptor related to chemokine receptors and located on chromosome 6q27.](#)

Liao F, Lee HH, Farber JM.

Genomics 1997 Feb; 40(1):175.

- [Molecular cloning and RNA expression of two new human chemokine receptor-like genes.](#)

Zaballos A, Varona R, Gutiérrez J, Lind P, Márquez G.

Biochemical and Biophysical Research Communications 1996 Oct; 227(3):846.

Pathway

- [Chemokine signaling pathway](#)

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Arthritis](#)
- [Birth Weight](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Inflammatory Bowel Diseases](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Tobacco Use Disorder](#)
- [Vitiligo](#)